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Beauty and **ABUNDANCE** **FROM YOUR OWN GARDEN**

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ROSS BROS. CO. Worcester, Mass.
1949 Quality Seeds

SEEDS, FARM MACHINERY, POULTRY SUPPLIES, INSECTICIDES, FERTILIZERS and TOOLS



ROSS' High Germination Tested Purity Approved Formulas *Lawn Seed . . .*



1843-1949

PERFECT Lawns Within Reach of All. All of Ross' Celebrated Lawn Grass Seeds are particularly suited to the New England conditions. When properly used, they produce thick velvety lawns of the finest type in a few weeks.

Worcester Lawn Seed

The Worcester Lawn Seed is our own mixture made from a formula which has been given a great deal of careful study and we are positive that no better general purpose lawn seed can be made. **Price: Lb., 95c; 2 lbs., \$1.90; 5 lbs., \$4.50; 10 lbs., \$8.50; 100 lbs., \$80.00.**

Green Hill Lawn Seed

This is composed of only four varieties of grasses as follows: Creeping Bent, Rye Grass, Kentucky Blue and Red Top. These are four of the best lawn grasses known. **Price: Lb., \$1.05; 5 lbs., \$4.85; 10 lbs., \$9.20; 100 lbs., \$87.00.**

Truegreen Lawn Seed

This is a mixture of three of the best so-called lawn grasses and is adapted to almost any ordinary situation. **Price: Lb., 85c; 5 lbs., \$3.95; 10 lbs., \$7.40; 100 lbs., \$69.00.**

Shady Spot Lawn Seed

It is possible to produce a lawn under almost any conditions but to do this in a situation where shade predominates the greater part of the time is very difficult. A shady location requires special treatment of the soil and in almost every shady spot lime must be added, but most important is the selection of the seed. **Price: Lb., 90c; 5 lbs., \$4.70; 10 lbs., \$8.00; 100 lbs., \$75.00.**

"The Ross Bros. Co. gives no warranty, express or implied, as to the productiveness of any seeds or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed."

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

Golf Course Mixtures

For Putting Greens and Fair Greens

Both the fairways and greens require a mixture of seed which will bear very close cutting and which will produce a turf of a strong, persistent nature. We offer mixtures which are of the highest purity and germination.

MIXTURE FOR PUTTING GREENS. Lb., \$1.15; 5 lbs., \$5.50; 10 lbs., \$10.50; 100 lbs., \$100.00.

MIXTURE FOR FAIRWAYS. Lb., 80c; 5 lbs., \$3.60; 10 lbs., \$6.70; 100 lbs., \$62.00.

Cemetery Mixture

This is especially adapted to light gravelly or sandy soil. **Price: Lb., \$1.05; 5 lbs., \$4.85; 10 lbs., \$9.20; 100 lbs., \$87.00.**

Terrace and Bank Mixture

It is mixed from grasses which naturally grow a strong, creeping root and are very valuable in holding the soil in place, preventing serious washouts during heavy rains. The seed starts quickly. **Price: Lb., 95c; 5 lbs., \$4.50; 10 lbs., \$8.50; 100 lbs., \$89.00.**

Special Mixtures of Grass Seed

In addition to the several mixtures of grass seeds which we list in this catalog, we can supply grass seed in mixtures suitable for almost any purpose or location.

We will also be pleased to name prices on any special formula on request.

**PLANT for BEAUTY
and ABUNDANCE**

ROSS BROS. CO.

179-181 Commercial St.,

Worcester 8, Mass.

Directions For Ordering

PLEASE USE OUR ORDER SHEET. It will be a help to us in filling your order correctly. If you desire to write us, use a separate sheet of paper. Be sure to give your full name and address on all orders and letters.

KEEP A COPY OF YOUR ORDER. Sometimes customers complain of not receiving goods which were not ordered. If goods ordered do not reach you in a reasonable time, advise us and send us a copy of your order.

HOW TO SEND MONEY. Remittances can be sent safely by Post Office Money Order, Bank Draft, Express Money Order, Check or by Registered Letter. We do accept stamps for small amounts.

Do not send coins loose in an envelope as they may break through. If bills are sent, your letter should be registered.

ORDER EARLY — We endeavor to fill all orders as soon as received, but during the rush season of April and May, delays are sometimes unavoidable. This, however, can be partly overcome if our patrons will send us their orders early.

FREE DELIVER — All Vegetables Seeds, Flower Seeds and Bulbs offered in this catalogue will be delivered **transportation paid** in the United States at prices listed. In making this Free Delivery offer we reserve the right to ship goods by Parcel Post, Express or Freight. Other items of seeds and other merchandise will be sent transportation collect unless otherwise noted in this catalogue.

GRASS AND FIELD SEEDS — All Grass and Field Seeds, Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F. O. B. Worcester. Small quantities of Grass or Field Seeds sent by Parcel Post if postage is added at parcel post rates.

NOTICE — While it is not our customs to substitute, we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege, for, if on receipt of any substitute it is not perfectly satisfactory, the same may be returned and money paid will be refunded.

Telegraph your order with Western Union Money Transfer and goods will be shipped same day order is received.

Add Postage to your order as indicated below—
if required.

See Free Delivery on other side.

POSTAGE RATES

Weight		ZONES						Weight
in	Local	1-2	3	4	5	6	7	8
Lbs.		Up to 150 miles	150 to 300 miles	300 to 600 miles	600 to 1,000 miles	1,000 to 1,400 miles	1,400 to 1,800 miles	Over 1,800 miles
1..	\$0.10	\$0.12	\$0.13	\$0.14	\$0.15	\$0.16	\$0.17	\$0.18
2..	.11	.15	.16	.19	.21	.24	.27	.30
3..	.12	.17	.19	.23	.27	.31	.36	.41
4..	.13	.19	.22	.28	.33	.39	.46	.53
5..	.14	.21	.25	.32	.39	.46	.55	.64
6..	.15	.23	.28	.37	.45	.54	.65	.76
7..	.16	.25	.31	.41	.51	.61	.74	.87
8..	.17	.27	.34	.46	.57	.69	.84	.99
9..	.18	.29	.37	.50	.63	.76	.93	1.10
10..	.19	.31	.40	.55	.69	.84	1.03	1.22
11..	.20	.33	.43	.59	.75	.91	1.12	1.33
12..	.21	.35	.46	.63	.80	.98	1.21	1.44
13..	.22	.37	.49	.68	.86	1.06	1.31	1.56
14..	.22	.39	.52	.72	.91	1.13	1.40	1.67
15..	.23	.41	.54	.76	.97	1.20	1.49	1.78
16..	.24	.43	.57	.80	1.02	1.27	1.58	1.89
17..	.25	.45	.60	.85	1.08	1.35	1.68	2.01
18..	.25	.47	.63	.89	1.13	1.42	1.77	2.12
19..	.26	.49	.66	.93	1.19	1.49	1.86	2.23
20..	.27	.51	.68	.97	1.24	1.56	1.95	2.34
21..	.28	.53	.71	1.02	1.30	1.64	2.05	2.46
22..	.28	.55	.74	1.06	1.35	1.71	2.14	2.57
23..	.29	.57	.77	1.10	1.41	1.78	2.23	2.68
24..	.30	.59	.80	1.14	1.46	1.85	2.32	2.79
25..	.31	.61	.82	1.19	1.52	1.93	2.42	2.91
26..	.31	.63	.85	1.23	1.57	2.00	2.51	3.02
27..	.32	.65	.88	1.27	1.63	2.07	2.60	3.13
28..	.33	.67	.91	1.31	1.68	2.14	2.69	3.24
29..	.34	.69	.94	1.36	1.74	2.22	2.79	3.36
30..	.34	.71	.96	1.40	1.79	2.29	2.88	3.47
31..	.35	.73	.99	1.44	1.85	2.36	2.97	3.58
32..	.36	.75	1.02	1.48	1.90	2.43	3.06	3.69
33..	.37	.77	1.05	1.53	1.96	2.51	3.16	3.81
34..	.37	.79	1.08	1.57	2.01	2.58	3.25	3.92
35..	.38	.81	1.10	1.61	2.07	2.65	3.34	4.03
36..	.39	.83	1.13	1.65	2.12	2.72	3.43	4.14
37..	.40	.85	1.16	1.70	2.18	2.80	3.53	4.26
38..	.40	.87	1.19	1.74	2.23	2.87	3.62	4.37
39..	.41	.89	1.22	1.78	2.29	2.94	3.71	4.48
40..	.42	.91	1.24	1.82	2.34	3.01	3.80	4.59

LOCAL DELIVERIES

Because of conditions concerning transportation, we can deliver only when accumulated orders and delivery schedule permits our complying with O. D. T. orders. If immediate delivery is wanted we will ship by local truckman at customers expense.

All prices subject to change without notice.

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control such as unfavorable weather or soil conditions, too deep or too shallow planting, which renders it impossible for us to guarantee success.

The Ross Bros. Co. gives no warranty, express or implied, as to the productiveness of any seeds or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed.

ROSS BROS. CO.

Ross' Lawn and Agricultural Grasses

PRICES

of all Grass Seeds subject to market changes. Prices include bags or sacks unless otherwise noted. Prices f.o.b. Worcester.

ASTORIA BENT (Botanically the same as Rhode Island or Colonial Bent.) Of fine growth, forming a close and permanent sod. One of the best lawn grasses and very desirable for golf courses and polo grounds.

Lb., \$1.90; 5 lbs., \$9.00; 10 lbs. or more, \$1.75 per lb.

HIGHLAND BENT. A strain of Colonial Bent, desirable for lawns; it spreads from underground rootstocks and will withstand drought better than other varieties.

Lb., \$1.45; 5 lbs., \$6.75; 10 lbs. or more, \$1.30 per lb.

BROME GRASS (*Bromus Inermis*). It is a large-leaved perennial. It spreads by underground roots. Consequently, it is usually a strong sod grass and is well adapted to pasturing. It is a cold and drought-resistant grass. It is tall growing, reaching a height of two to five feet. 15 pounds per acre when used alone, 7 or 8 pounds when used with alfalfa.

Lb., 55c; 10 lbs., \$5.20.

CANADIAN BLUE GRASS (*Poa compressa*). A hardy perennial with creeping root-stalks which form a strong turf.

Lb., 80c; 10 lbs., \$7.50.

CHEWINGS' FESCUE (*Festuca rubra*). Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle 2 to 4 feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns.

Lb., 80c; 10 lbs., \$7.50.

ILLAHEE FESCUE, CERTIFIED. It is a new strain of creeping Red Fescue. It spreads from roots that creep underground, putting up new growth. It is a perennial grass that easily thickens up into a dense carpet of green turf. It does well in poor soil and is rated highly resistant to drought and disease. It will stand heavy wear and is desirable for playgrounds.

Lb., 90c; 10 lbs., \$8.40.

KENTUCKY BLUE GRASS (*Poa pratensis*). 85% pure. One of the most valuable grasses for pasture and lawn, requires some time to become established, but lasts indefinitely on congenial soils. Sown with white clover, it forms a splendid lawn.

Lb., 90c; 10 lbs., \$8.50.

KENTUCKY BLUE GRASS. 98% pure.

Lb., \$1.05; 10 lbs., \$10.00.

MEADOW FESCUE (*Festuca pratensis*). Largely used for permanent mowing mixtures.

Lb., 35c; 10 lbs., \$3.00.

ORCHARD GRASS (*Dactylis glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places.

Lb., 45c; 10 lbs., \$4.00.

POA TRIVIALIS. Ideal for shade. It is a perennial and grows in soil that is moist and cool.

Lb., \$1.35; 10 lbs., \$13.00.

REED CANARY GRASS. A tall growing water grass, thriving in brooks, ditches, ponds, and marshy tracts of land. It is of good nutritive value.

Lb., 70c; 10 lbs. or over, 64c per lb.

RED TOP, RECLEANED. 92% pure. This is one of the best grasses for sowing for immediate effect.

Lb., 85c; 10 lbs., \$7.70; 100 lbs., \$75.00.

RED TOP, FANCY RECLEANED. 98% pure.

Lb., 95c; 10 lbs., \$8.80; 100 lbs., \$85.00.

RYE GRASS, DOMESTIC. Used extensively in lawn mixtures.

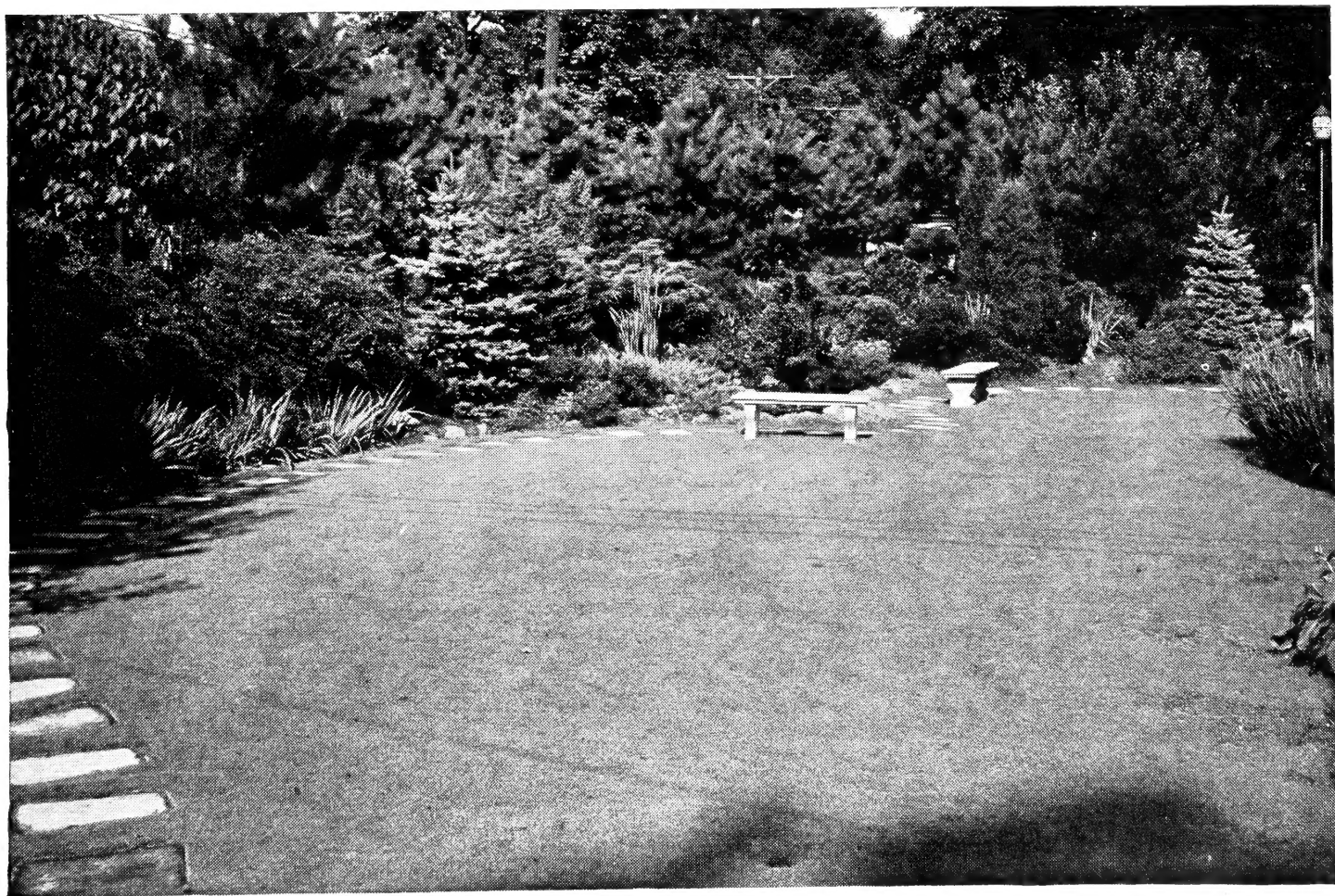
Lb., 25c; 10 lbs., \$1.90.

RYE GRASS, PERENNIAL (*Lolium perenne*). Of rapid growth and productive; produces a strong growth in 4 to 5 weeks.

Lb., 35c; 10 lbs., \$3.00.

WORCESTER GRADE TIMOTHY. Our Worcester Grade is a seed which is of the highest quality at the start. Taken from the best fields of full ripe seed, we can assure you, that after going through the cleaning process we can guarantee a purity of 99.50 per cent.

Lb., 30c; 10 lbs., \$2.70; 100 lbs., \$26.00.



CLOVERS

*Natural Soil Improvers
Unexcelled for
Stock Feeding*



Sweet
Clover

Sweet Clover

The Greatest Soil Renovator, Hay and Pasture Crop.

BOKHARA or SWEET CLOVER (*Melilotus alba*). A native of all parts of the United States and Canada. It is an erect branching biennial plant with woody stems growing the first season 2 to 3 feet high and developing a large root. The second year's growth usually reaches a height of 4 to 7 feet.

Lb., 40c; 10 lbs. or more, 33c per lb.

Grass Seed Mixtures for Hay and Permanent Pasture

The Worcester Special Mixtures of Grass Seed produce wonderful hay crops and pasture, maintaining their cropping qualities for years.

PERMANENT PASTURE MIXTURE FOR MEDIUM SOIL. Aside from permanency, an important requisite is that of continual growth from early spring until fall, and as many varieties as possible should be used which bear constant tramping and continued close grazing. This mixture is prepared with these ends in view. Contains Ladino and White Dutch clovers. 30 pounds to the acre.

Lb., 70c; 10 lbs. or more, 65c per lb.

No. 1 GRASS SEED MIXTURE. For seeding down use 25 lbs. to the acre. Contains timothy, red top, medium red clover, and alsike clover. All domestic seed.

Lb., 50c; 10 lbs. or more, 45c per lb.

ALSIKE or SWEDISH CLOVER (*Trifolium hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded.

Lb., 65c; 10 lbs. or more, 57c per lb.

CRIMSON CLOVER (*Trifolium incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers.

Lb., 45c; 10 lbs. or more, 40c per lb.

LADINO CLOVER FOR LOW WET SOILS. It is an ideal pasture plant for cattle, sheep, hogs, etc. Should be sown in early spring or September, using Oats, Timothy or Rye Grass, as a nurse crop. We recommend about 4 lbs. of Ladino Clover per acre.

Price: \$3.80 per lb.

MAMMOTH RED CLOVER (*Trifolium pratense* perenne). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre.

Lb., 80c; 10 lbs. or over, 76c per lb.

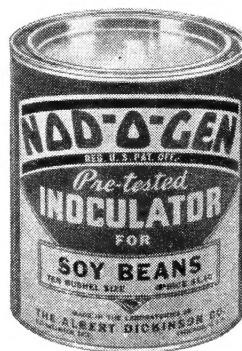
MEDIUM RED CLOVER, AMERICAN GROWN (*Trifolium pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in the late summer.

Lb., 80c; 10 lbs. or more, 76c per lb.

WHITE DUTCH or LAWN CLOVER (*Trifolium repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best.

¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.35; 10 lbs. or more, \$1.25 per lb.

**For Good Crops It Is Important to Plant
Ross' Selected Seeds**



NOD-O-GEN
THE
PRE-TESTED INOCULATOR

Nod-O-Gen is a high quality humus culture of nitrogen-gathering bacteria containing all the essentials for healthy bacterial growth. Nod-O-Gen causes nodules to develop on the roots of legume crops. These nodules gather nitrogen from the air and convert it into plant food, saving plant food in the soil. Full directions accompany each package. When ordering be sure to state what seed you wish to inoculate. Humus type only.

GROUP 1. Alfalfa and Sweet Clover. 1-bu. size, 50c; 2½-bu. size, \$1.00.

GROUP 2. Clover, Medium Red, Crimson, Mammoth Alsike, White and White Dutch. 1-bu. size, 50c; 2½-bu. size, \$1.00.

GROUP 4. Soy Beans, all varieties. 2-bu. size, 30c; 5-bu. size, 55c.

GROUP 5. Cow Peas, Peanuts, Lima Beans. 2-bu. size, 30c; 5-bu. size, 55c.

GROUP 6. Field Beans, Wax, String, Snap, Kidney and Scarlet Runner Garden Beans. 1-bu. size, 35c.

GROUP 7. All Vetches, Field, Sweet and Garden Peas. 1-bu. size, 35c; 100-lb. size, 55c.

GROUP 8. Garden Combination for Garden Peas and Beans. Sweet Peas, Lima Beans. 15c.

Add for postage, Group 8, 2c; all other Groups, all sizes, 12c.

FIELD SEED CORN

Varieties that Fill the Silo

Worcester County Sweepstakes

Grows 12 to 15 feet tall.

It is a big yellow Dent Corn, stalks very large, $1\frac{1}{2}$ to 2 inches in diameter, growing 12 to 15 feet high; foliage is long, broad and heavy, starting well down to the ground with an abundance of leaves and produces 15 to 25 tons per acre.

$\frac{1}{2}$ pk., 85c; pk., \$1.55; $\frac{1}{2}$ bu., \$2.90; bu., \$5.50.

Hybrid Corn

CORNELL 29-3. Hybrid. 100 days. Medium to tall in height, ear medium size, 12- to 16-rowed, has a fine root system. Very heavy producer of silage.

$\frac{1}{2}$ pk., \$1.25; pk., \$2.20; bu., \$8.20.

HYBRID DENT CORN. Wis. No. 412A. 95 days. Makes an excellent Corn for grain. It produces very good cobs and matures early. It is a dark colored, leafy, vigorous hybrid. Fodder yield is just a little less than Sweepstakes.

$\frac{1}{2}$ pk., \$1.30; pk., \$2.30; bu., \$8.90.

Improved Leaming

It ranks as one of the early Dent Corns, has a very heavy stalk, growing 12 to 13 feet high and very leafy. The ears are 8 to 10 inches long, filled with medium sized but deep kernels.

Pk., \$1.30; bu., \$4.80.

Sweet Fodder

Unexcelled for cutting green and feeding to stock. It should be included in all soiling schedules.

10 lbs., \$1.50; 100 lbs., \$13.00.

Early Canada Flint

An early 8-rowed variety; stalks about 6 ft., ears 8 to 9 inches. This strain is a decided improvement over the old Early Canada Flint.

$\frac{1}{2}$ pk., 85c; pk., \$1.55; bu., \$5.50.

Ross' Genuine Eureka Ensilage Corn

Has a Record of Producing More Tons Per Acre Than Any Other Ensilage Variety

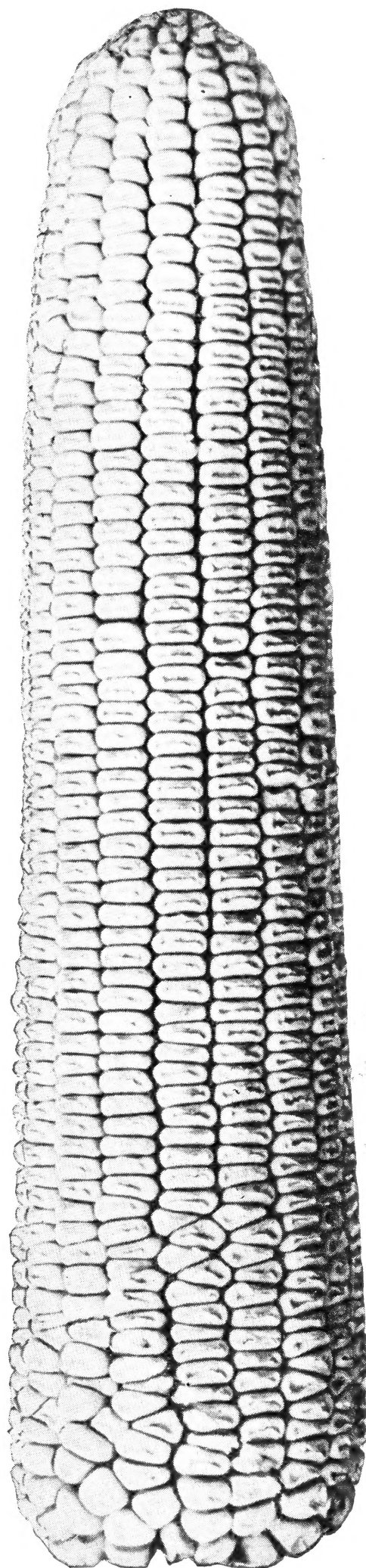
The Eureka is a large kernel white corn introduced by Ross Bros. years ago and we still offer the genuine Eureka, which is superior to many varieties sold under this same name.

Hardy and rugged characteristics; Eureka Corn germinates surprisingly well in cold, wet springs, and today farmers everywhere heartily approve planting the Ross genuine variety of Eureka Corn.

$\frac{1}{2}$ pk., 85c; pk., \$1.55; $\frac{1}{2}$ bu., \$2.90; bu., \$5.50.



Eureka Corn



Worcester County Sweepstakes

Agricultural

Barley

WISCONSIN No. 38. The beards are smooth and no barbs. Excellent for feeding green.

Pk., \$1.15; bu., \$4.10.

Buckwheat

JAPANESE. Entirely distinct from all other varieties. It has the advantage of remaining some time in bloom and produces seed earlier. It resists drought and blight better than most varieties.

Pk., 95c; bu., \$3.45.

Canada Field Peas

CANADA PEAS may also be sown with other grains as well as with Oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Choice stock for seed.

Lb., 20c; 10 lbs., \$1.40; 100 lbs., \$13.00.

Millets

HUNGARIAN (Hungarian Grass). An excellent food for horses when cured. Each root sends up several slender stems which often branch. The leaves grow upright, rather narrow. Heads are borne erect or nearly so, about four inches long, dark purple in color.

Lb., 15c; 10 lbs., \$1.10; 100 lbs., \$10.00.

GOLDEN. This variety is extensively used throughout the United States. It is sown at the same time and at the same rate per acre as the common Millet. Grows more vigorous, gives a much larger yield of hay than common Millet.

Lb., 17c; 10 lbs., \$1.30; 100 lbs., \$12.00.

JAPANESE (*Panicum frumentacea*). It is entirely distinct from all other Millets. Grows from 6 to 9 feet high, stands up well, and yields enormous crops.

Lb., 15c; 10 lbs., \$1.05; 100 lbs., \$9.50.

Certified Seed Oats

VICTORY. A tall growing white-kerneled variety which is recommended as a heavy yielder. The straw is stiff and strong enough not to lodge. It was developed at the Svalof Station in Sweden and out-yields the Swedish Select type. It should not be confused with that variety.

Pk., 75c; bu., \$2.40.

MOHAWK CERTIFIED. The Mohawk is a selection from a Bond and D67 cross. It derives its rust and smut resistance from its Bond parent and is also resistant to blight. The straw is about 36 inches in height and the grain matures early. Cornell highly recommends Mohawk over Vicland.

Pk., 65c; bu., \$2.20.



Oats and Vetch as Cover Crop

Alfalfa

The Farmer's Hay Insurance

Sow 15 to 25 lbs. per acre.

As a soil builder the Experiment Stations tell us that it adds twice as much nitrogen to the soil as the average acre of Red Clover.

GRIMM, BLACKFOOT. State sealed and certified. Idaho grown. True Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter-killing.

Lb., 95c; 10 lbs. or more, 88c per lb.

COMMON ALFALFA. This strain has given very satisfactory results in New England.

Lb., 80c; 10 lbs. or more, 77c per lb.



Alfalfa

Seed Grains

Dwarf Essex Rape

It grows best in cool, moist weather and the time for sowing depends upon when the crop is to be used. When wanted for pasture, allow 8 to 10 weeks for it to attain maximum growth.

Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$24.00.

Rye

SPRING RYE. True stock Spring Rye makes an excellent crop where winter grain has been killed out or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain. Use Winter Rye for cover crop.

ROSEN WINTER RYE. Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels per acre. **Ask for price.**

Soy or Soja Beans

BLACK WILSON. Medium size, black seed. Considered the best all-around variety for the North. Of rather upright growth, with a good amount of foliage and a slight tendency to vine on fertile soil. Matures seeds in 125 days and is ready for cutting in 110 days. A heavy seed producer.

Pk., \$1.25; bu., \$4.50.

MANCHU. Matures in about 110 days and is the most popular early variety. Plants erect and bushy, producing large crops of dry forage and seed. Seed light yellow with a black scar. **Pk., \$1.25; bu., \$4.50.**

Sudan Grass

Sudan Grass is strictly an annual and dies each year like millet. From seven to nine feet high, with very small stems. Stock prefer it. Sow 10 to 15 lbs. per acre.

Lb., 20c; 10 lbs., \$1.45; 100 lbs., \$13.50.

SUDAN GRASS. (Sweet.) An improvement over the common. Very palatable and very productive. **Lb., 25c; 10 lbs., \$1.70; 100 lbs., \$16.00.**

Mammoth Russian Sunflower

Produces very heavy yields per acre for silage or grown for its seed. Valuable for feeding.

Lb., 35c; 10 lbs., \$3.00.

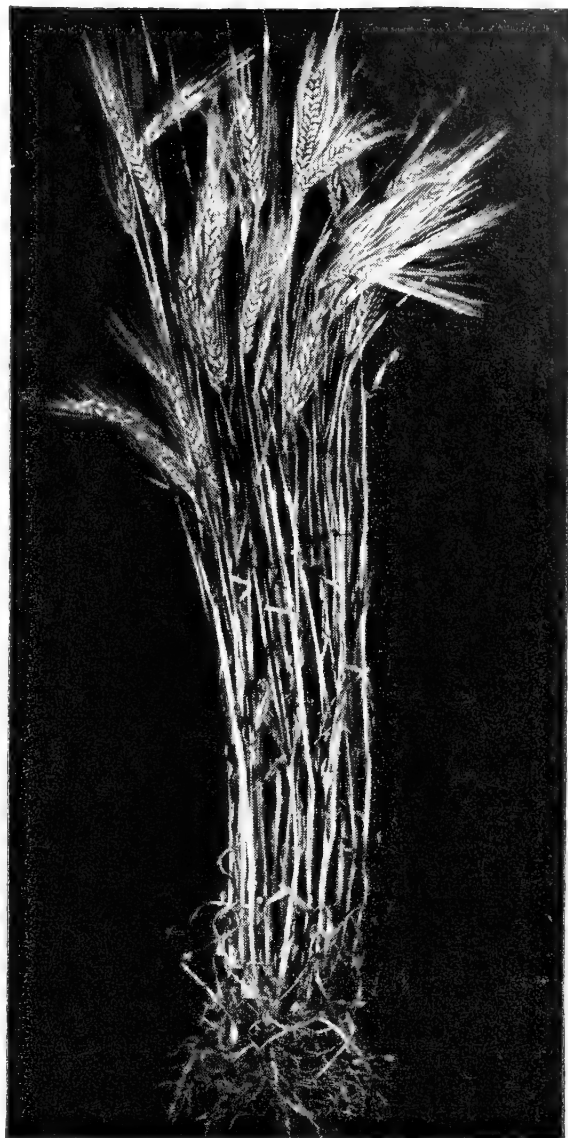
Soy or Soja Beans

A great soil enricher, gathering nitrogen from the air. Produces enormous crops as far North as Canada, ripening seed as far as Massachusetts. Especially valuable (in combination with millet and fodder corn) for ensilage, supplying the albuminoids or flesh-forming food.

INOCULATE WITH NOD-O-GEN



Millet



Barley

Vetch

HAIRY. Can be sown during the spring as well as in the fall, with good results. Used for green feed and plowing under for green manure. Sow at the rate of 30 to 40 lbs. with 1 bu. of small grain.

Lb., 40c; 10 lbs., \$3.60; 100 lbs., \$34.00.

Wheat

MARQUIS (Spring Wheat.) It has outyielded all other spring Wheats grown under the same conditions of soil and climate, the increased yield being up to 10 bushels per acre; is flinty and dark in color, being almost dark red. It is a beardless variety, having a smooth, yellow chaff. **Pk., \$1.50; bu., \$5.55.**

WHITE (Winter Wheat). Sow early in the fall for a good firm root to survive our New England winters. Winter Wheat makes an excellent green feed, coming very early in the spring and staying in condition for feed much longer than spring or winter rye. A productive, bald, white variety, large and plump. **Ask for price.**

VEGETABLES of Superior

ASPARAGUS

An ounce will sow about 60 feet of drill, and produce 200 or more plants.

MARY WASHINGTON. This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish green. The whole stalk from base to tip is remarkably tender.

Pkt., 10c; oz., 25c; ¼ lb., 60c.

ASPARAGUS ROOTS

The easiest way to obtain an asparagus bed is to set out the roots. It takes 3 years to establish one from seed, but with our large, 2-year roots a bearing bed may be had in two years. We can furnish strong, selected roots of the variety listed, at the following prices:

MARY WASHINGTON. 25 for \$1.00;
50 for \$1.75; 100 for \$3.00, postpaid.

ARTICHOKE

GREEN GLOBE. Perennial, large-flowering heads, cooked like asparagus. Matures second year; not hardy in the North.

Cannot supply.

BROCCOLI

ITALIAN GREEN SPROUTING. (Close Heading.) Planted and used the same as cauliflower, bluish green color, largely used by market gardeners. The plants require plenty of water. Seed started in June will make heads which will be in good condition all winter. Seed started earlier will bring heads in for summer. Broccoli takes longer to mature than cauliflower, allow 2 or 3 weeks more.

Pkt., 10c; ½ oz., 20c; oz., 30c.

BRUSSELS SPROUTS

**Delicious
Miniature
Cabbages**

1 oz. will produce 3000 plants.

LONG ISLAND IMPROVED. A very hardy plant of the cabbage family. In this section may be left in the ground up to December. The plants of the Long Island strain do not grow up very tall but are covered from the ground up with large solid sprouts.

Pkt., 10c; ½ oz., 30c; oz., 50c.

If you are in doubt as to the varieties best suited for your garden, let us select these for you. We will make the selection for you if you will tell us the quantities you require. Buy only good seeds.

*Broccoli,
Italian Green Sprouting*

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. Prices subject to change.

OUR PRICES

Have been reduced to the lowest point consistent with the production of good quality seeds. The varieties of vegetable seeds offered on these pages are the best and most popular varieties in their respective classes, as required for the Ross standard of excellence.

*Brussels Sprouts,
Long Island Improved*

Quality from Ross' Tested Seed



BEANS

Reliable and Productive

1 lb. will plant 100 ft. of drill; 60 to 90 lbs. will plant an acre.

Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming.

Dwarf Wax or Butter Beans

CHEROKEE WAX. A straight yellow pod 5 to 6 inches long, oval-shaped and fine flavor. It is very productive. The flesh is tender, brittle and without strings. Excellent for home or market garden. Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

***BRITTLE WAX.** One of the best early varieties. The pods are round and long, often 6 inches in length, and a rich golden yellow; stringless and tender. When ripe, makes good shell beans. Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

IMPROVED GOLDEN WAX. An old, well known and popular variety of excellent quality. Pods flat, long, golden yellow. One of the earliest and best dwarf wax varieties for the private garden. Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

***PENCIL POD BLACK WAX.** Best of all the dwarf black-seeded wax beans. It is early and productive, bearing rich yellow, nearly straight, round pods 5½ to 6 inches long.

Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

ROUND POD KIDNEY WAX. Of unsurpassed quality. One of the best for the home garden and very desirable for market, where round-podded varieties are popular. Pods are long, very white and waxlike; uniformly perfect in shape and vine is very productive.

Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

SURE CROP STRINGLESS WAX. Clear amber, stringless pods. Ideal for home or market gardens. Strong grower, dependable cropper. An absolutely stringless, rust-proof wax-pod, bush bean. Pods 7 to 7½ inches long, about half an inch in diameter, and a beautiful rich yellow color.

Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

Dwarf or Green Podded Bush Beans

***BOUNTIFUL.** Vine unusually thrifty, rarely affected by blight, bears early, profusely and for a long time. Pods large, flat but thick and meaty, stringless and tender. Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

BURPEE'S GREEN POD STRINGLESS. A very desirable dwarf podded snap sort for the home garden and largely grown for the market. Pods medium green, 5 to 6 inches long. Seed of medium size and length, yellowish brown.

Pkt., 25c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

TENDERGREEN. There's a profusion of exquisitely tender green pods. A green-podded bean of unusual merit. The pods are long, light green in color, round and absolutely stringless. It yields a heavy crop of early beans. Early, prolific, stringless.

Pkt., 25c; lb., 65c; 2 lbs., \$1.25; 10 lbs. or over, 60c per lb.

Dwarf or Bush Shell Beans

DWARF HORTICULTURAL. Pods thick, broad, of medium length, yellowish green splashed with red when at the stage of fitness for green shell beans and are then very attractive. Pkt., 25c; lb., 65c; 2 lbs., \$1.25; 10 lbs. or over, 60c per lb.

***FRENCH HORTICULTURAL.** The vines are compact and of upright growth; almost always sending out runners to a height of 1½ to 2 feet, but do not climb a pole and are not of sufficient length to affect the bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. Pkt., 25c; lb., 65c; 2 lbs., \$1.25; 10 lbs. or over, 60c per lb.

*Don't
Forget*

To get a summer-long supply of this delicious vegetable, sow seeds every 2 weeks. Order sufficient seeds now for your season's needs.

BOSTON SMALL PEA. More largely used than any other variety for baking. Choice select. Pkt., 25c; lb., 50c; 2 lbs., 95c; 10 lbs. or over, 45c per lb.

IMPROVED YELLOW EYE. One of the best sorts for baking; extremely productive and of superior quality.

Pkt., 25c; lb., 50c; 2 lbs., 95c; 10 lbs. or over, 45c per lb.

RED KIDNEY. Large red kidney-shaped Beans of excellent quality. The old-fashioned baking Bean. Pkt., 25c; lb., 50c; 2 lbs., 95c; 10 lbs. or over, 45c per lb.



Kentucky Wonder

BEANS for The Home Garden

Wax Podded Pole Beans

1 lb. will plant about 100 hills.

Pole beans require considerable care. They are, when properly grown, of long bearing period, more sensitive to wet and extremes of temperature than the dwarf varieties and should not be planted as early. Set in rows about 4 feet apart, preferably running north and south, allowing about 3 feet between the poles in the row. Plant 6 to 8 beans around each pole and thin to 3 to 4 plants.

***KENTUCKY WONDER WAX.** This pole bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. These are very attractive, fleshy, stringless and not surpassed in quality.

Pkt., 25c; 1b., 60c; 2 lbs., \$1.15;
10 lbs. or over, 55c per lb.

Green Podded Pole Beans

***KENTUCKY WONDER or OLD HOME-STEAD.** Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Vine bears early and is very productive. Used only as a string bean.

Pkt., 25c; 1b., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities, but rarely grown for that purpose.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs., or over, 40c per lb.

WORCESTER MAMMOTH HORTICULTURAL. The beans, though closely resembling those of the common strain, are much larger. Its strikingly handsome pods combined with its great size are both features of excellence which recommend it.

Pkt., 25c; 1b., 60c; 2 lbs., \$1.15;
10 lbs. or over, 55c per lb.

ENGLISH BROAD BEANS

BROAD WINDSOR. An old-fashioned English shell bean. This bean is very hardy: it should be planted as early as the ground will permit, 3 to 4 inches deep in rows 3 feet apart, and plants 1½ feet apart in row. Dry beans very large and yellowish green.

Pkt., 25c; 1b., 45c

EDIBLE SOY BEANS

BANSEI. These beans are not only delicious when eaten green or dry, but they are also an excellent source of Vitamins A, B, and G. The Bansei variety is one of the earliest, and very productive. Plants grow 24 inches high and do not require support. They are literally loaded with pods. Seeds are bright green while young and yellow when matured.

Pkt., 25c; 1b., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

**PLANT FOR PEACE AS FOR VICTORY, AND
REMEMBER QUALITY VEGETABLES COME
FROM YOUR OWN GARDEN**

WE SUGGEST:

Wax and Green Beans
Early Wonder Beets
Golden Bantam Sweet Corn
Lettuce, Open Leaf
Yellow Onions
Summer Squash

Early and Late Cabbage
Danvers Carrot
World's Record Peas
White Spine Cucumber
Early Tomatoes
Winter Squash

LIMA BEANS

Bush Limas

1 lb. will plant about 50 hills.

More hardy than the pole varieties and therefore may be planted earlier. Make rows 2 feet apart and plant the beans, eyes down, every 2 inches. Cover about 2 inches deep. Thin to 6 inches. Note: In very wet weather bush lima beans will sometimes send out runners about 2 feet long.

HENDERSON'S BUSH LIMA. A bush bean of the Sieva Lima type. Beans small but vine is productive and bears early. Pkt., 25c; 1b., 60c; 2 lbs., \$1.15;
10 lbs. or over, 55c per lb.

BURPEE'S IMPROVED BUSH LIMA. A distinct strain. The earliest, largest, and the best of all large limas. This new strain differs from the popular Burpee's Bush Lima in bearing uniformly much larger pods, producing more beans, while both pods and beans are much larger and thicker. While the beans are as large as those of the large lima, the crop of the Improved is ready for gathering from 8 to 10 days earlier. In quality the beans are equal to any, being thin-skinned, juicy and of fine flavor.

Pkt., 25c; 1b., 65c; 2 lbs., \$1.25;
10 lbs. or over, 60c per lb.

FORDHOOK BUSH LIMA. One of the leading varieties of bush lima beans. The plant is of stiffly erect habit, the beans are much larger and of superior quality and even when full size are juicy and of fine flavor.

Pkt., 25c; 1b., 65c; 2 lbs., \$1.25;
10 lbs. or over, 60c per lb.

Pole Limas

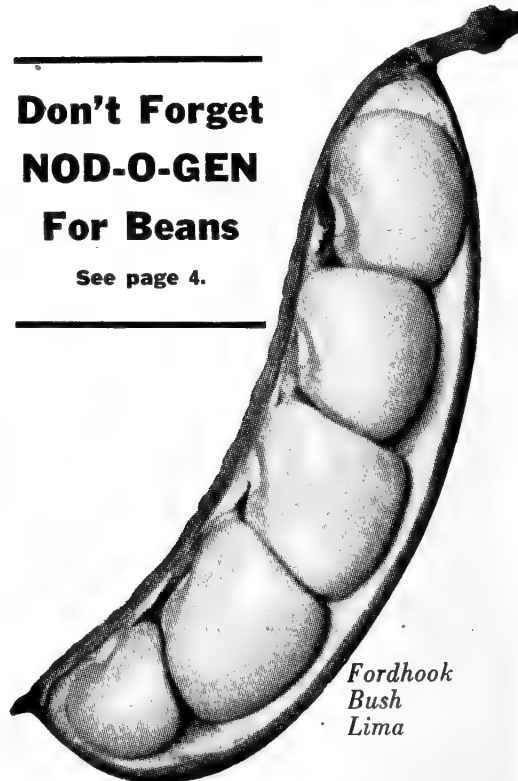
1 lb. will plant about 100 hills.

KING OF THE GARDEN LIMA. Earlier than the large lima, and the pods are longer and often contain 5 beans of the largest size. The vine is large and of remarkably vigorous growth and will produce larger pods and bear earlier if only two are allowed to grow to the pole.

Pkt., 25c; 1b., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

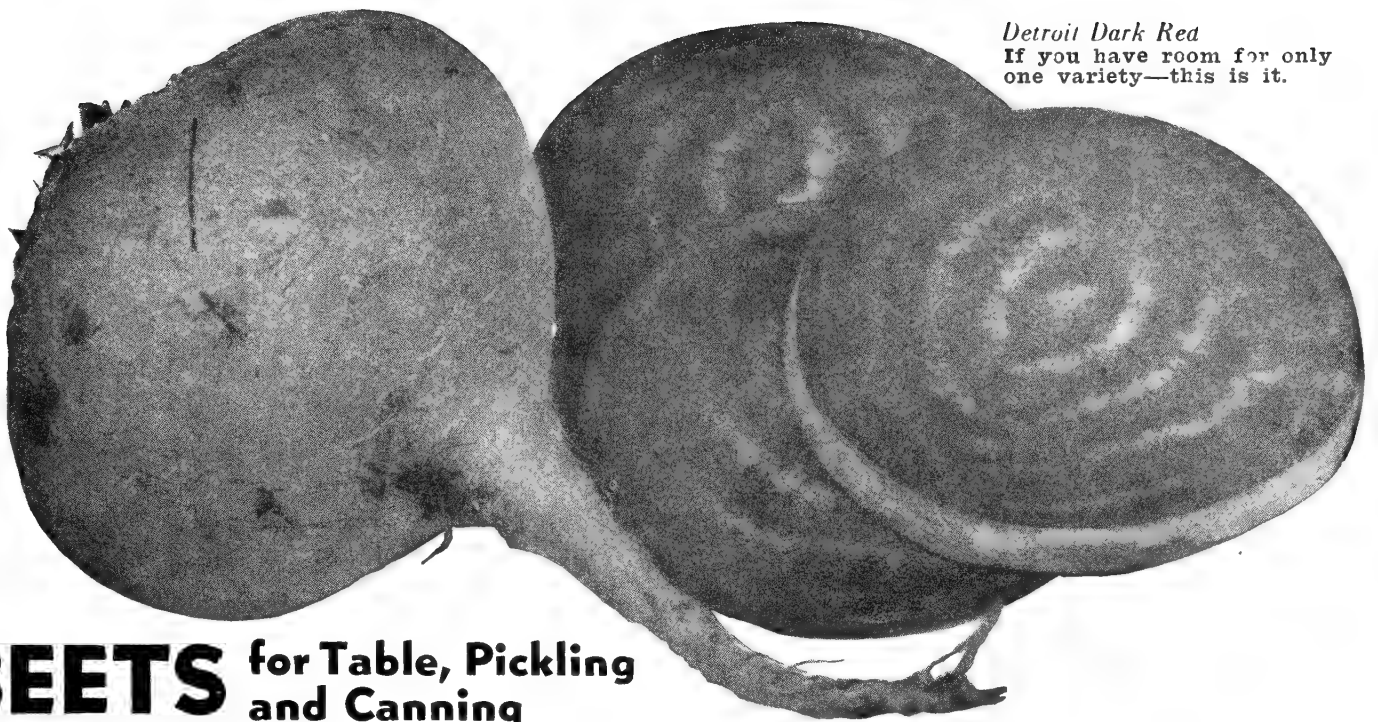
**Don't Forget
NOD-O-GEN
For Beans**

See page 4.



Fordhook
Bush
Lima

Detroit Dark Red
If you have room for only
one variety—this is it.



BEETS for Table, Pickling and Canning

Successive Plantings - for Beets the Right Size All Summer Long

*An ounce will sow about 100 feet of drill. 5 to 6 pounds
required for an acre.*

The beet thrives best in deep, rich, but rather light soil. Sow in drills about 15 inches apart and 1 inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.

★CROSBY'S EARLY EGYPTIAN EXTRA SELECTED STRAIN. For several years we have given this especial attention and have succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth, a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain.

Pkt., 10c; oz., 30c; ¼ lb., 75c.

**For Another Delicious
Green, Try Swiss Chard
It's a Beet, You Know**



Mammoth Long Red Mangel

★EARLY WONDER. An improved Crosby Egyptian Beet. Smooth, dark, red flesh. Extra good for market gardeners. One of the earliest and most perfectly shaped beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing.

Pkt., 10c; oz., 30c; ¼ lb., 75c.

LONG SEASON. No garden is complete without some Long season Beets. They are rather late and somewhat rough in shape but there is no finer Beet to eat in the summer and to store for winter. No matter how big they grow, they remain just as sweet and tender as tiny young Beets and they have a delicious flavor all their own.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

★DETROIT DARK RED. A superior second-early and main-crop variety rapidly growing in favor for late planting. Tops uniformly small and grow upright so that the rows may be close together.

Pkt., 10c; oz., 30c; ¼ lb., 75c; 1b., \$2.00.

DEWING'S BLOOD. One of the leading main crop varieties.

Pkt., 10c; oz., 30c; ¼ lb., 75c.

Mangels—Overgrown Beets for Livestock

The Mangels furnish large quantities of nutritious and healthful food for stock and poultry. Yields 25 to 30 tons per acre.

1 oz. to 100 feet of drill; 5 lbs. per acre.

Culture: Both mangels and sugar beets require deep, well-enriched soil. Sow in May or June in rows 18 inches to 2 feet apart and 6 to 8 inches in the row. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop. For winter store in cellar or in pits. Sow 5 to 6 pounds per acre. Mangels make excellent and rich as well as cheap winter feed for poultry.

GOLDEN TANKARD. It is one of the best stock beets grown. It has yellow flesh, very distinct variety, being short with very little tap root and very easy to harvest. Top and

neck very small; root ovoid, flesh yellow, zoned with white; an excellent sort.

Oz. pkt., 20c; ¼ lb., 60c; 1b., \$1.50.

MAMMOTH LONG RED. This is truly a mammoth, a single root often weighing 20 to 30 pounds. The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, 30 to 40 tons of roots per acre.

Oz. pkt., 20c; ¼ lb., 60c; 1b., \$1.50.

Klein Wanzleben

High Sugar Content; Popular with Sugar Beet Growers.

Root is conical, straight and even, large at top and tapering. Contains the largest percentage of saccharine matter.

Pkt., 10c; oz., 20c; ¼ lb., 60c; 1b., \$1.50.



Copenhagen Market



Golden Acre

CABBAGE for Crisp Tangy Flavor



Chinese Cabbage

CHINESE CABBAGE

A Real Treat is in Store for Those Who are Planting It for the First Time

PE-TSAI. Distinct from the cabbage of commerce, somewhat resembling Cos Lettuce; in fact, sometimes called Celery Lettuce. It can be eaten as a salad or cooked like ordinary cabbage. Culture same as late cabbage. Sow early in July.

Pkt., 10c; ½ oz., 35c; oz., 60c.

1 pkt. produces 250 plants; 1 oz. produces 3,000 plants.

The seed we offer is absolutely new stock from the best professional growers. A heavy rich loam, thoroughly cultivated, highly manured and worked deep is most suitable to cabbage. Early cabbage should be planted under glass in March and transplanted 2 feet apart as soon as ground outside can be prepared. For late plants, sow in hills in open ground in May. Transplant in July.

***THE EARLY COPENHAGEN MARKET.** A New England favorite cabbage. Large heads, solid light green, round, excellent quality. The earliest large, round-headed cabbage yet introduced. Matures 68 days after transplanting. It is a very sure heading and uniform variety of hardy and compact growth. The heads are 7 to 8 inches in diameter and weigh 3 or 4 pounds.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

EARLY JERSEY WAKEFIELD. Although this variety is not as early as the preceding one, it will be found the very best conical heading sort to come in immediately after. It is very compact, medium size, conical, and a sure header.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

AMERICAN IMPROVED SAVOY. The best of the Savoy type, which should be more largely grown.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

***DANISH BALLHEAD.** This short-stemmed type is popular on account of the great solidity and weight of the head; it is a strong, vigorous grower, producing large, round, compact heads, almost as hard as iron, weighing when trimmed, fully one-fourth more than any other cabbage of equal size. In consequence, it keeps in condition until spring.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

GOLDEN ACRE. (Danish Grown.) An extra early selection of the Copenhagen type, and the earliest of the round-headed cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact, with few outer leaves; heads of medium size, round as a ball, hard, solid and very uniform. We believe it to be the earliest cabbage in existence.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PENN STATE BALLHEAD. Originated by Dr. Meyers of the Pennsylvania State College. It is a short stem variety, medium size heads, very hard and the color a bright green.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

MAMMOTH ROCK RED. Head larger and more solid than Red Drumhead; reliable in heading.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

FOR GOOD CROPS IT IS IMPORTANT TO PLANT ROSS' SELECTED SEEDS

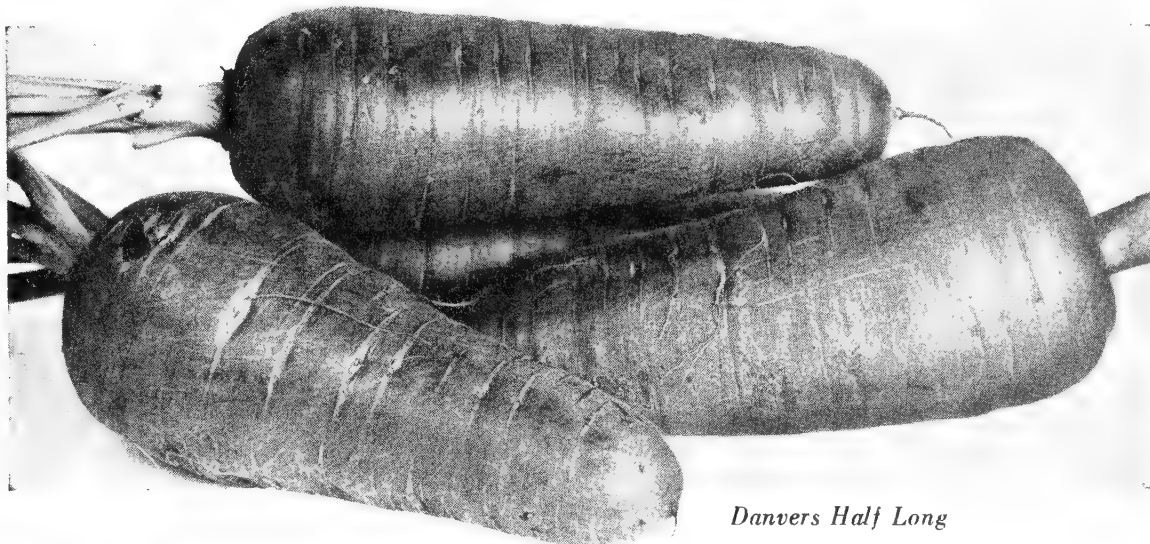


Danish Ballhead

GROW YOUR OWN VITAMINS!

Plant for
Beauty and
Abundance

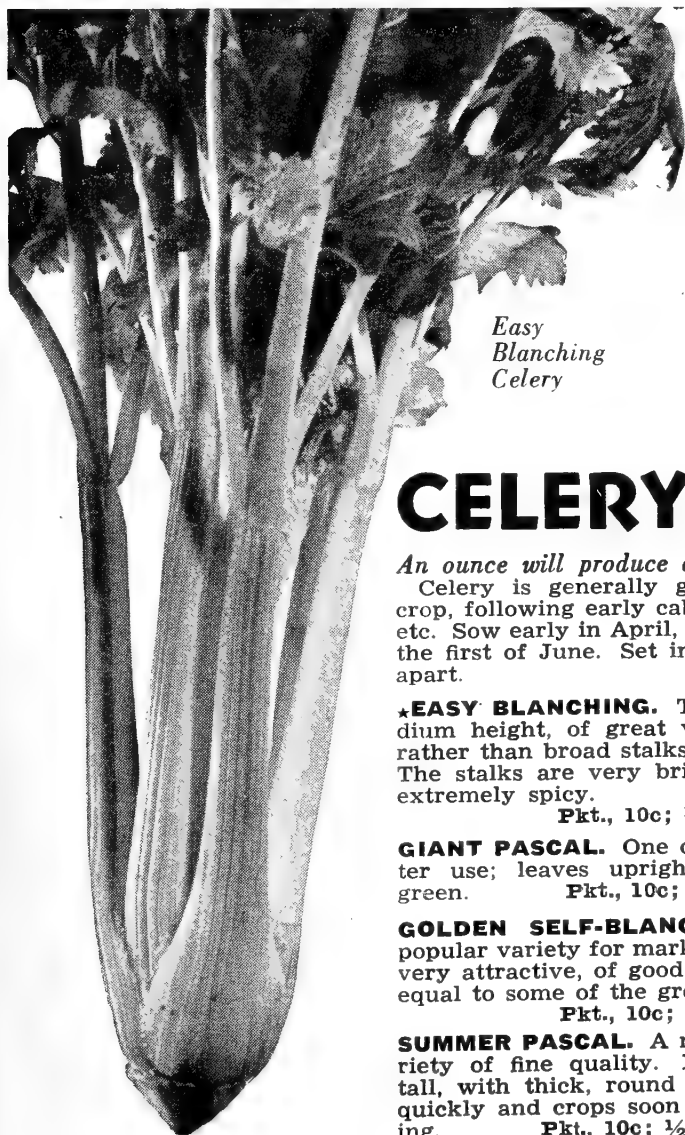
DELICIOUS
VEGETABLES
FROM YOUR
OWN GARDEN
CONTAIN THE
VITAMINS
YOU NEED



Danvers Half Long

CARROTS *A "Must" for Every Garden*

Culture: Prefers a deep mellow soil. Sow seed in April for early, or in July for fall crop. Sow seed one-half inch deep in rows 12 inches apart. Thin out to 3 inches apart. If their growth is checked, carrots split and become rooty. To avoid this, water them thoroughly during a drought. Make successive plantings so as to assure a constant supply all summer. Seed may be sown from early spring to as late as August first.



*Easy
Blanching
Celery*

★**CHANTENAY.** The Most Popular of All Home Garden Carrots. A popular favorite for its rich orange-red color, its fine grained flakes, its superb flavor. Fully developed, it averages 6 inches in length, is broad at the neck and narrows gradually to a round blunt base.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**DANVERS SELECTED HALF-LONG.** It is more easily harvested than the longer type, and is excellent to sow for winter, for stock or table use.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**HUTCHINSON.** A very large, nearly cylindrical, stump-rooted carrot, 10 to 12 inches in length, good color, and immensely productive.

Pkt., 10c; oz., 40c; ¼ lb., \$1.35.

IMPERATOR. For market and home garden use. Tops medium, but strong enough for good bunching. Flesh rich orange color, extending to center of root, with indistinct core.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

NANTES, IMPROVED CORELESS. (68 days.) Because of its fine quality, this variety is one of the best for the home garden as well as for the market. Roots 6 to 7 inches long, same the whole length with a smooth waxy appearance.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

LONG ORANGE IMPROVED. Large size, tapering to a point, of deep orange color, and adapted to garden or field culture. A valuable food for stock.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

CELERY *for Home and Commercial Gardens*

An ounce will produce about 10,000 plants.

Celery is generally grown as a second crop, following early cabbage, onions, peas, etc. Sow early in April, transplanting about the first of June. Set in rows about 3 feet apart.

★**EASY BLANCHING.** The plant is of medium height, of great vigor, having thick rather than broad stalks, with shallow ribs. The stalks are very brittle and the flavor extremely spicy.

Pkt., 10c; ½ oz., 45c; oz., 80c.

GIANT PASCAL. One of the best for winter use; leaves upright, short and dark green.

Pkt., 10c; ½ oz., 45c; oz., 80c.

GOLDEN SELF-BLANCHING. The most popular variety for market, easily blanched, very attractive, of good quality though not equal to some of the green celeries.

Pkt., 10c; ½ oz., 45c; oz., 80c.

SUMMER PASCAL. A new early green variety of fine quality. Plants are medium tall, with thick, round stalks. It blanches quickly and crops soon after Easy Blanching.

Pkt., 10c; ½ oz., 60c; oz., \$1.00.

WHITE PLUME. The earliest and most easily blanched of all varieties, very showy, of good quality.

Pkt., 10c; ½ oz., 30c; oz., 50c.

CELERIAC

Turnip-Rooted Celery

Sow seed and treat in first stages of growth as directed for celery. Set in rows 2 feet apart and 6 inches apart in the row. When roots have reached a size of 2 inches in diameter they are ready for use. These are boiled, sliced, and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

LARGE SMOOTH PRAGUE. An improved sort with nearly round roots which have but few side roots.

Pkt., 10c; ½ oz., 50c; oz., 80c.

CAULIFLOWER

An ounce will produce 3000 plants.

Sow the first week in May, transplant in July. For wintering under glass, sow second and last week in September, transplant into cold frame, give plenty of air in mild weather and cover up in severe. Again, sow in February in a hotbed and transplant in April. Use plenty of rotted manure. Select new ground, as cauliflower rarely succeeds on ground which has been cropped year after year. Plant in rows 20 inches apart and 2 feet between rows.

★**EARLY SNOWBALL.** The earliest and surest to head. We offer an unsurpassed strain from one of the leading growers in Denmark.

Pkt., 20c; ¼ oz., 80c; ½ oz., \$1.50.

SWISS CHARD

LARGE WHITE RIBBED. Used for greens only. Much superior to other beets for greens. Plants should be thinned to about 1 foot apart. When the plants have attained full size the stems and mid-ribs are sometimes cooked and served like asparagus.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

FORDHOOK GIANT. Tall and sturdy; increasingly used. Leaves broad, heavily crumpled, dark green; stems broad, thick, white.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

LUCULLUS. A robust grower, attaining a height of 2 to 2½ feet. The stalks are thick, creamy white, and heavily ribbed. Leaves are very large, green, and heavily crumpled.

Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.75.

RHUBARB CHARD. It has the same coloring as rhubarb. Stalks are a bright crimson. Tasty, delicious flavor.

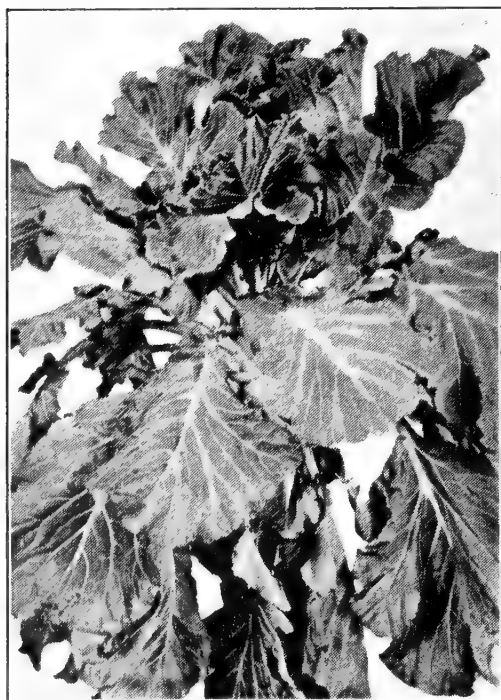
Pkt., 10c; oz., 25c.

CHIVES

Are a small, hardy perennial plant resembling onion in appearance and growing in clusters. They are grown for the leaves, which are produced freely from early spring, and give a mild onion flavor to sausages, salads, and soups. They can be easily grown in pots at a sunny window during the winter.

Pkt., 25c.

For quick long distance shipping use **AIR EXPRESS.**



Collards



*Swiss Chard,
Giant Lucullus*

DANDELION

An ounce will sow 200 feet of drill.

Two pounds to the acre.

Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm

IMPROVED THICK-LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular tuft.

Pkt., 10c; ½ oz., 90c; oz., \$1.50.

CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common dandelion.

Pkt., 10c; ½ oz., 40c; oz., 70c.

CICCORIA CATALOGNA, or ITALIAN DANDELION.

Pkt., 10c; ½ oz., 30c; oz., 50c.

We deliver free in the United States all
Bulbs, Vegetable and Flower Seeds, at prices
listed in this catalog. Prices subject to change.



Early Snowball Cauliflower

CHICORY

WITLOOF, or FRENCH ENDIVE.

Esteemed as a salad plant. Spring-sown seed produces parsnip-like roots by November. Cut the leaves off 1½ inches from the neck, trench 1½ inches apart, cover with soil 8 inches over crown; then place a 2- or 3-foot layer of fresh manure which induces new growth of blanched leaves folded like cos lettuce, which are eaten raw as salad.

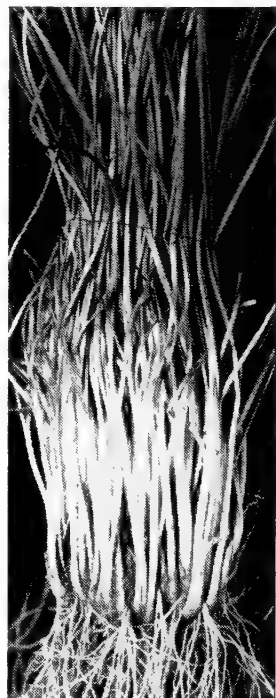
Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

COLLARDS

One ounce for about 5000 plants.

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage. **GEORGIA.** The most satisfactory variety for general use.

Pkt., 10c; oz., 25c.



Chives

Ross' SWEET CORN

One pound of seed will plant 200 hills or 300 feet of row; 10 to 12 pounds will plant an acre.

Open Pollinated or Standard Varieties

***GOLDEN EARLY MARKET.** Most Outstanding Development of the Yellow Kernel Type. Ears 7 inches long containing 8 to 12 rows of creamy yellow kernels. Ripens in 75 days. One of the best early yellows for home and market gardens.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

GOLDEN BANTAM. A favorite with all who have grown it. The most famous sweet corn in the world today. It is the richest and sweetest of all varieties of sweet corn. Golden Bantam is dwarf, the stalks are usually 5 to 6 feet high, and the foliage is short, allowing it to stand closer together in the small garden and thus produce a large crop on a small area. We recommend planting Golden Bantam every 10 days during the planting season and you will be assured of a continuous supply of the best sweet corn.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

GOLDEN GIANT. This is a cross between Golden Bantam and Howling Mob. Winner of the silver award for novelty excellence at Massachusetts Horticultural Show. Gives four times the yield per acre and twice the size of Bantam. Rich in color.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

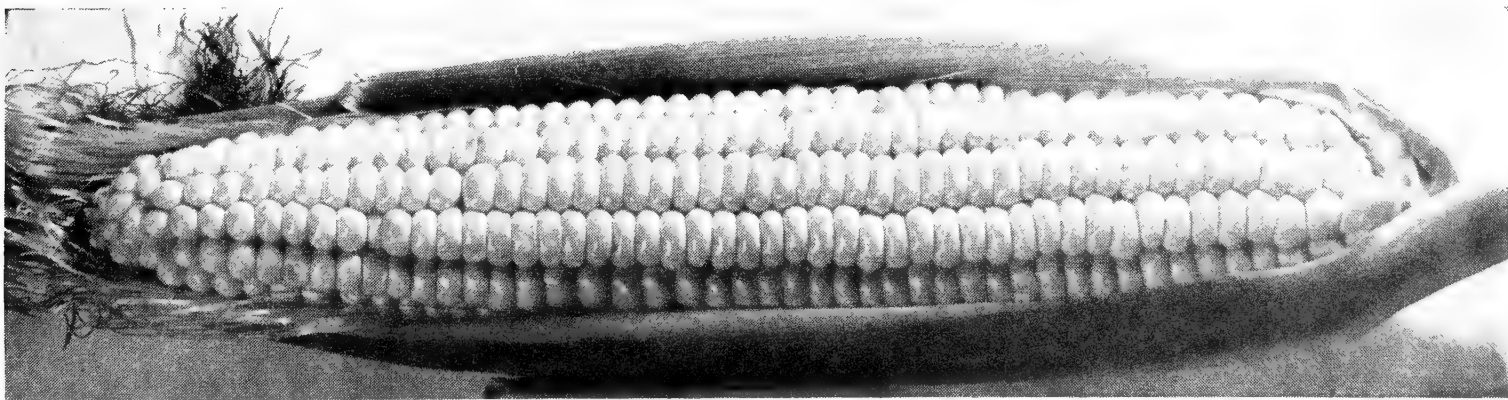
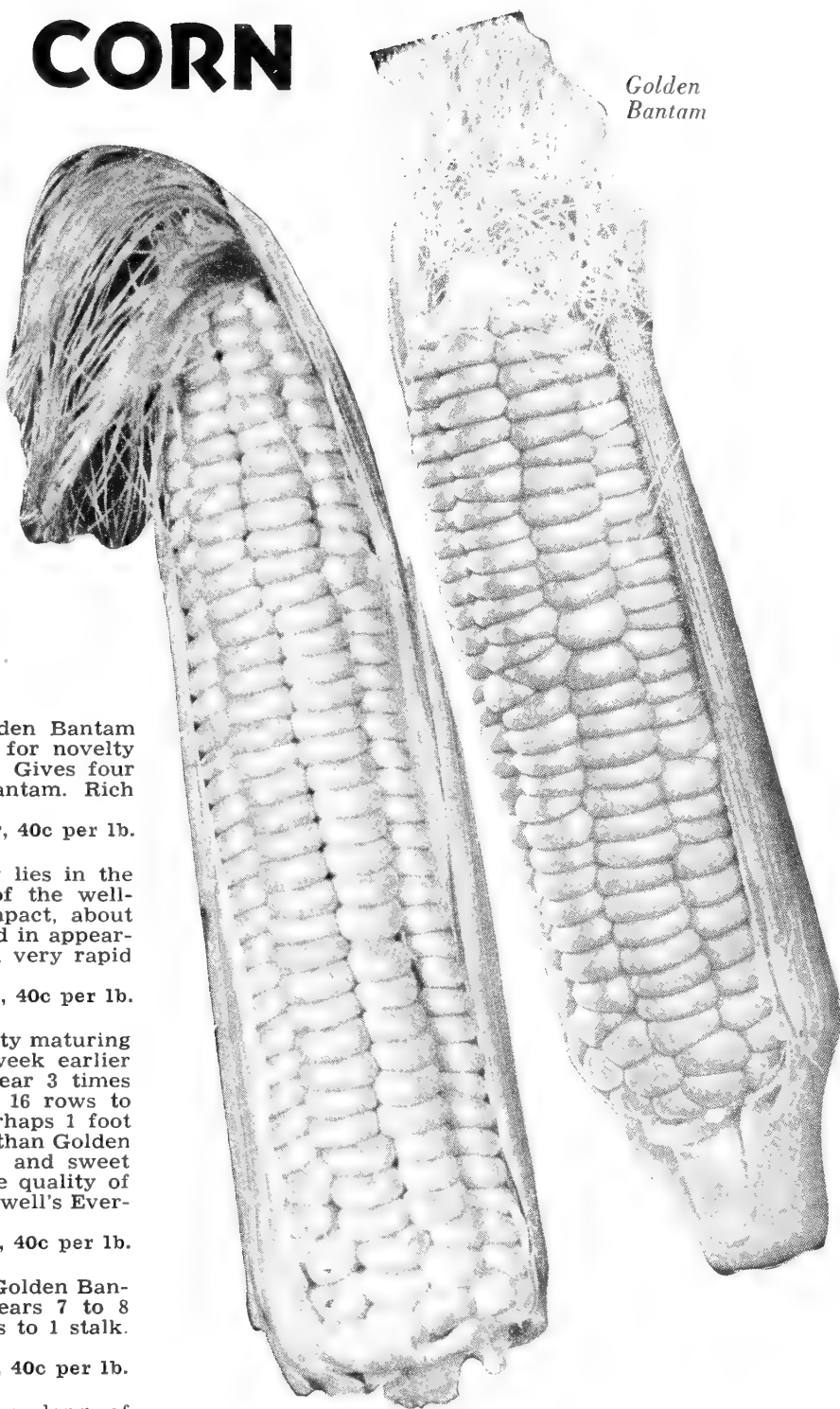
GOLDEN SUNSHINE. The value of this variety lies in the fact that it matures several days in advance of the well-known Golden Bantam. The ears are very compact, about the same size of Golden Bantam, but more refined in appearance, having from 10 to 12 rows of grain. It is a very rapid grower.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

BANTAM EVERGREEN. (Yellow.) A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than the Stowell's Evergreen white. It has an ear 3 times the size of Golden Bantam and runs 12, 14 and 16 rows to the ear. The stalk is about 6 feet tall and is perhaps 1 foot shorter than Stowell's Evergreen and 2 feet taller than Golden Bantam. The Bantam Evergreen has the tender and sweet qualities of the Golden Bantam and combines the quality of the Golden Bantam with the productiveness of Stowell's Evergreen. As a table variety it is unexcelled.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

WHIPPLE'S EARLY YELLOW. Twice the size of Golden Bantam and matures about the same time, grows ears 7 to 8 inches long and 12- to 16-rowed, with often 2 ears to 1 stalk. Quality is unequalled.
Pkt., 20c; 1 lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

GOLDEN MIDGET. A 68-day Corn, ears 3½ inches long, of excellent quality; fine for the home garden.
Pkt., 20c; ½ lb., \$1.00; 1 lb., \$1.75.

Golden Bantam



Bantam Evergreen

SWEET CORN—Continued

Hybrid Varieties

***GOLDEN CROSS BANTAM.** Introduced jointly by the U. S. Dept. of Agriculture and Purdue University Agricultural Experiment Station. Excellent for market gardeners. Highly resistant to Stewart's disease and very prolific. Stalks sturdy, with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, slightly lighter yellow than Golden Bantam. 88 days.

Pkt., 20c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

LINCOLN. 86 days. Height of stalk somewhat variable, 80 to 90 inches. It has a heavier stalk than Golden Cross Bantam but the ears are also larger. This variety has good quality but not quite up to Golden Cross Bantam.

Pkt., 20c; lb., 60c; 2 lbs., \$1.15; 10 lbs. over, 55c per lb.

MARCCROSS 6x13. We consider this the earliest large-eared hybrid. This variety has proved very prolific, very vigorous in growth and for such an early variety produces quite large ears. 72 days.

Pkt., 20c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

✓ **SPANCROSS.** 70 days. Earliest yellow hybrid. On warm sandy land it produces the earliest crop.

Pkt., 20c; lb., 60c; 2 lbs., \$1.15; 10 lbs. or over, 55c per lb.

White Varieties

COUNTRY GENTLEMAN. Medium size, with irregular rows of very deep and slender kernels and small cob. Sweet and tender, not surpassed in quality by any other variety with white kernels.

Pkt., 20c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

STOWELL'S EVERGREEN. The best known and most largely planted of all varieties. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. Yields large ears and long, deep kernels, with rich sugary flavor and long keeping qualities. It is the standard late sort.

Pkt., 20c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

Black Mexican

A popular variety; until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black, but at proper stage for cooking, the color shows but little if at all.

Pkt., 20c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 40c per lb.

DELICIOUS POPCORN FOR PLANTING

GOLDEN HULL-LESS. The kernels are big and when popped make large tender popcorn of rich golden color and the finest quality.

Pkt., 15c; lb., 30c;
10 lbs. or over,
25c per lb.



Colorado
Cucumber

CUCUMBERS

One packet of seed will sow 15 hills, 1 ounce 50 hills.

A. & C. A leading variety for shipping and market gardens. Fruits uniform, nearly cylindrical, very dark green, tapering at ends. It holds its color well. 8½ inches long, 2¼ inches in diameter and matures in 68 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c

COLORADO. W.S. Fruits very dark green, cylindrical, tapering at stem end, very small seed area, fine for slicing. 8½ inches long, 2½ inches in diameter and matures in 68 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

CUBIT. All-America Selections, 1943. A prolific, white-spined, main crop variety, distinguished by unusually uniform dark green exterior color, and long, blunt-ended, cylindrical shape. Of smooth, crisp texture, with small seed cavity, and admirably adapted for slicing. Holds its fresh quality well in shipping or at market.

Pkt., 10c; oz., 40c.

BOSTON PICKLING. For pickling. Its fruit is short, pointed at each end, productive and of superior quality.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

***EARLY FORTUNE.** The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease-resistant and very productive. Fruits are uniformly 9 inches long, slightly tapering toward each end, perfectly round and of a very dark green color which does not fade in shipping; flesh very thick, firm and crisp, and exceedingly small seed cavity.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

IMPROVED WHITE SPINE. Perfection has been attained in this improvement in the White Spine family. It is early, prolific, and produces a continuous crop of uniformly large and symmetrical fruits, faintly marked with light yellowish shading toward the tip.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

LONG GREEN. An old standard variety, very popular for home gardens, but little used for market. Fruit very long, slender, very firm and crisp, uniformly dark green; makes fine pickles and is the best of all when ripe for making sweet pickles.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

STRAIGHT-8. W.S. For home and market garden, and shipping. Fruit uniformly cylindrical, rounded at ends, medium green, 8 inches long, 2¼ inches in diameter, and matures in 66 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

ENDIVE

An ounce will sow 300 feet of drill, producing from 2000 to 2500 plants.

Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled.

Pkt., 10c; oz., 25c; ¼ lb., 60c.

LARGE GREEN CURLED. Of large growth, not so much curled as preceding.

Pkt., 10c; oz., 25c; ¼ lb., 60c.

BATAVIAN BROAD-LEAVED (Escarolle). A variety having broad, more or less twisted and waved bright green leaves with thick, nearly white midribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

DILL

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making dill pickles. Plant branching, 2 to 3 feet high; leaves very much cut into threadlike segments.

Pkt., 10c; oz., 25c; ¼ lb., 60c.

FENNEL (Finocchio)

FLORENCE or NAPLES. Resembles celery in flavor but has a sweet taste and delicate odor. Should be sown in spring in drills 18 inches apart and the plants thinned to 5 or 6 inches apart.

Pkt., 10c; ½ oz., 30c; oz., 50c.

KOHLRABI

An ounce will sow about 200 feet of drill.

The edible part is the turnip-shaped bulb formed above ground. Combines somewhat the flavors of cabbage and turnip. Sow in light, rich soil early in spring in rows 1½ feet apart, thin to 6 inches apart in the row. Plantings at intervals of 10 days will give a succession until hot weather; when they fail to grow well. Plant the latter part of July for fall use.

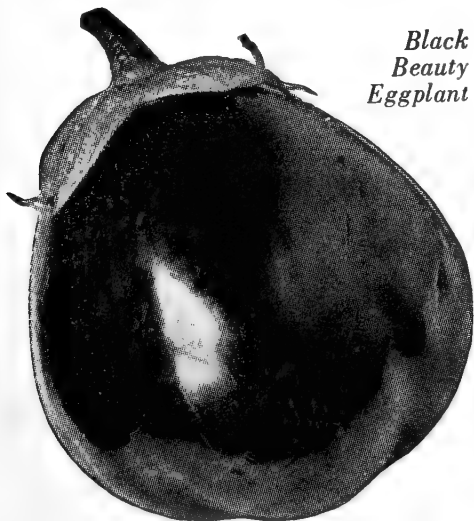
EARLY WHITE VIENNA. (Extra for forcing.) Extremely early with small tops. Bulbs medium size, very light green or nearly white.

Pkt., 10c; oz., 40c.

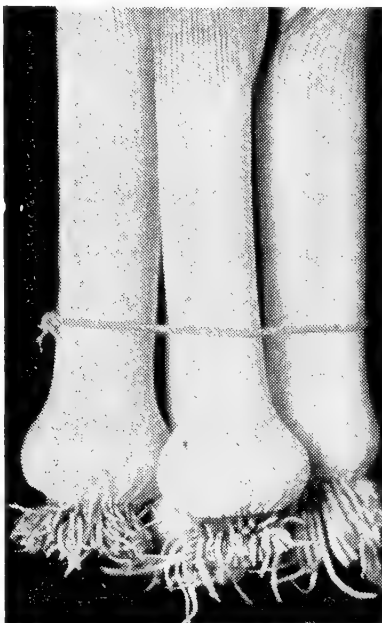
EARLY PURPLE VIENNA. Early with small top, the leaf stems being tinged with purple.

Pkt., 10c; oz., 40c.

For long distance, **AIR EXPRESS**, 3 miles per minute.



Black Beauty Eggplant



American Broad Flag Leek

EGGPLANT

An ounce will produce about 2000 plants.

Culture: Plant the seed in March in hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows 2 feet apart each way. Require rich soil.

LONG PURPLE. An extra early sort, fruits 7 to 8 inches long, 2½ to 3 inches thick; dark purple, smooth and attractive.

Pkt., 10c; ½ oz., 45c; oz., 75c.

NEW YORK IMPROVED (Spineless). The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive; foliage light green.

Pkt., 10c; ½ oz., 45c; oz., 75c.

BLACK BEAUTY. A valuable variety, ready for use 2 weeks earlier than any other sort. The fruit is thick and of a rich purplish black color.

Pkt., 10c; ½ oz., 45c; oz., 75c.



Moss Curled Endive

KALE or Borecole

An ounce will produce 2000 plants.

DWARF CURLED SCOTCH. Sow in May and transplant in June, and treat generally as for cabbage. Curled, low-growing variety; the leaves, when properly cooked, make very palatable greens.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

LEEK

Leeks require rich soil. Sow early in spring in deep drills, 18 inches apart, cover with one-half inch of soil, thin plants to about 8 inches apart. Draw the earth around them as with celery.

AMERICAN BROAD FLAG. A desirable strong growing, broad-leaved leek, hardy and productive. Favorite with market gardeners and used for the home garden.

Pkt., 10c.

MUSHROOMS

BROWN BOTTLE SPAWN. One quart bottle will seed an area of 35 to 40 square feet, depending on the size of the piece planted. Bottle Spawn is now shipped, removed from the glass container. Mushroom culture sent with every spawn.

Each, 85c; postpaid, \$1.00.

MUSTARD

Used mainly for salads and greens. Sow as early as ground can be worked in drills 18 inches apart and one-half inch deep. Successive sowings every 3 weeks.

WHITE or YELLOW. The common variety used to flavor pickles.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

SOUTHERN GIANT CURLED. Large, light green leaves. The best for salads.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

OKRA or GUMBO

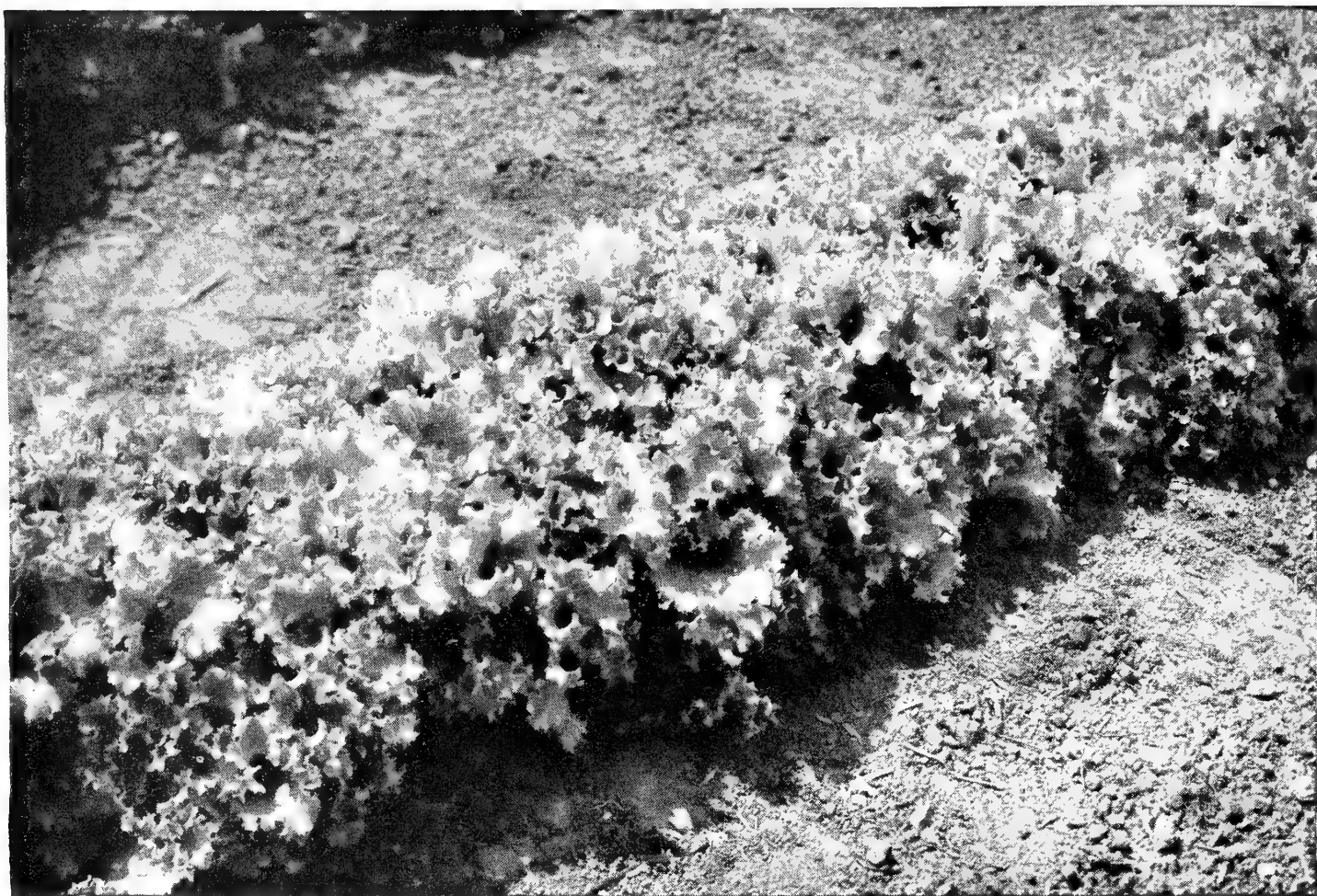
The young seed pods are used in soups or stewed and served like asparagus. Best results would be obtained by sowing seed in the hotbed. Set plants in rows 2 feet or more apart and about a foot apart in the row.

DWARF GREEN. Early and productive; best for northern cultivation.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PERKINS' MAMMOTH LONG POD. A dwarf but enormously productive variety. Pods long, slender, deep green and remain tender much longer than most sorts.

Pkt., 10c; oz., 20c; ¼ lb., 50c.



Grand Rapids Leaf Lettuce

LETTUCE *for Cool Crisp Salads*

An ounce will produce from 3000 to 4000 plants.

Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, seed may generally be sown as soon as ground can be fitted, as while prolonged or continued freezing will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in hotbed in gentle heat, and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing outdoors.

OAK LEAF. A loose leaf variety, fine for the home garden and of high quality. Very tender leaves, fine for growing in hot weather. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

BLACK-SEEDED TENNISBALL. More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

CRISP AS ICE. A midsummer variety, surpassing all of this class in crispness, tenderness and fine flavor. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

BIG BOSTON WHITE SEEDED. Probably the most generally used in cultivation. It is a cabbage-head, butter type, medium large, finely shaped, globular, medium light green with slight tinge of brown on margins of outer leaves. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

EARLY CURLED SIMPSON. (White-seeded.) An old variety, but broad, often frilled, very curly, light green leaves; sweet, tender, of fine flavor. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

GRAND RAPIDS. One of the easiest varieties of lettuce to grow. It forms no head but produces an abundant crop of pale green leaves, slightly but closely crumpled, which have an excellent flavor. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

MAY KING. A very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class, is coming rapidly into favor here, both for outdoor planting and for forcing. Forms compact heads, nearly, if not quite, as early as White-Seeded Tennisball. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

GREAT LAKES. 82 days. Bronze Medal, 1944. The finest Iceberg yet! Superb, crisp heads even during the hot, dry weather of midsummer. The crinkled dark green leaves fold inward, blanching the heads to a cool, crisp whiteness. **Pkt., 10c; ½ oz., 35c.**

PROGRESS. A new crisp heading Lettuce in the Imperial class; developed by the U. S. D. A. in co-operation with the New Jersey station. It is an early, dark green, thick-leaved, heavily savoyed, tip-burn resistant, crisphead Lettuce, of good flavor and high quality. As compared with Imperial 44, Progress is a darker green, thicker leaved, more savoyed; heads are more dense, more resistant to tip-burn, and of superior quality. It matures about the same season as Imperial 44. **Pkt., 10c; ½ oz., 40c; oz., 75c.**

IMPERIAL No. 847. (Long Standing Iceberg.) This fine lettuce will do well in spring and fall, and is outstanding as a summer heading variety, even during hot weather most every plant will produce a fine solid head. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.**

NEW YORK No. 12. (Dark Iceberg.) Delightful to the eye—crisp, excellent quality. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.**

PRIZE HEAD. A large, loose-leaved variety, which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish red; sweet, tender and of good flavor, but not equal to Crisp as Ice. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.**

Romaine or Cos Lettuce

Distinct from the ordinary lettuce on account of their tender, crisp leaves and delicious flavor.

PARIS WHITE COS. One of the finest varieties for summer use. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c.**

Muskmelons SWEET and JUICY

An ounce will plant about 50 hills. $1\frac{1}{2}$ to 2 pounds are required for an acre.

The Muskmelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills 4 to 5 feet apart, 10 or more seeds to each hill. Cover with 1 inch of soil and firm well with hoe.

***BENDER'S SURPRISE (The Bender Melon).** A very popular variety in the East, particularly around Albany, N. Y. A selection from Surprise and a close kin to Irondequoit, differing from that variety in being more oblong, more full and rounded at the ends, not quite as well netted or as early; skin light greenish yellow when ripe. A very delicious, large salmon-fleshed melon with superior shipping and keeping qualities.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

DELICIOUS. Best described as an early strain of the Bender melon, a trifle smaller in size. Light green, finely netted, oval fruits. Firm, tender flesh of a beautiful deep orange-yellow color.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

GOLDEN CHAMPLAIN. 85 days. Considered by melon growers of long experience to be the most desirable early-maturing muskmelon. A vigorous grower of medium size with salmon flesh of superb quality, well netted.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

HEARTS OF GOLD. A fine melon, medium in size, round and well netted; flesh thick, orange-yellow, of excellent flavor.

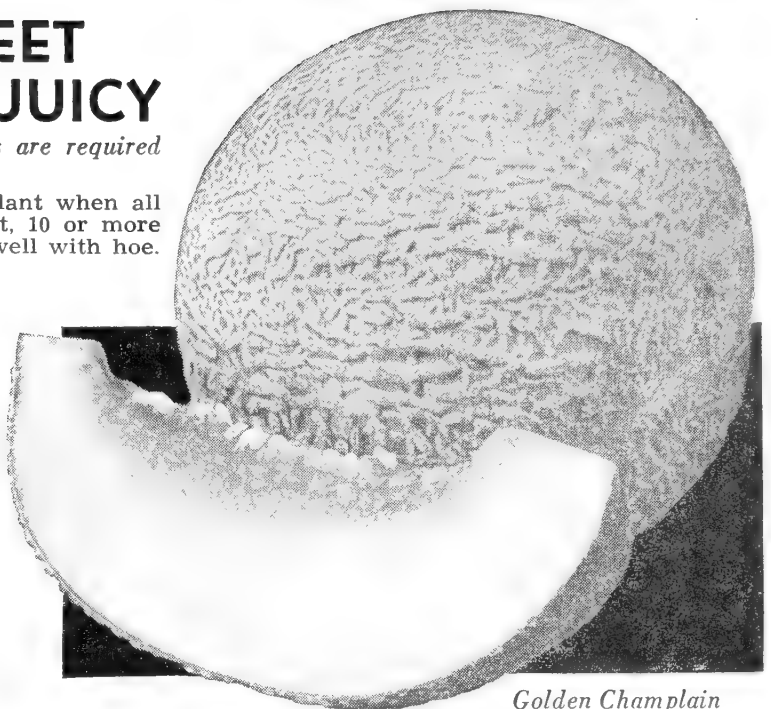
Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

HONEY DEW. The average size of the melon is 6 inches in diameter and 7 to 8 inches in length. The flesh is an emerald-green, very thick, melting, and fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind impervious to water. The melon does not shrink in weight, is not easily bruised, and is a splendid shipper. It is later than Rocky Ford strains and is very prolific.

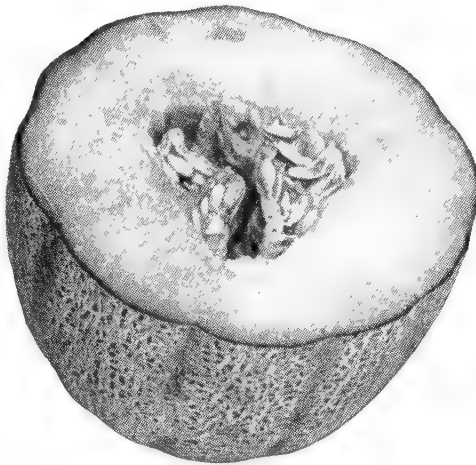
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

ROCKY FORD. More largely grown than any other of the small or basket melons. Oval, slightly ribbed, densely covered with fine netting; flesh green, thick and of rich flavor.

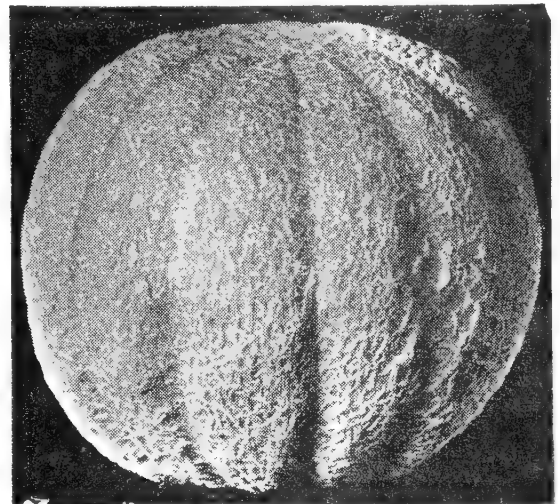
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.



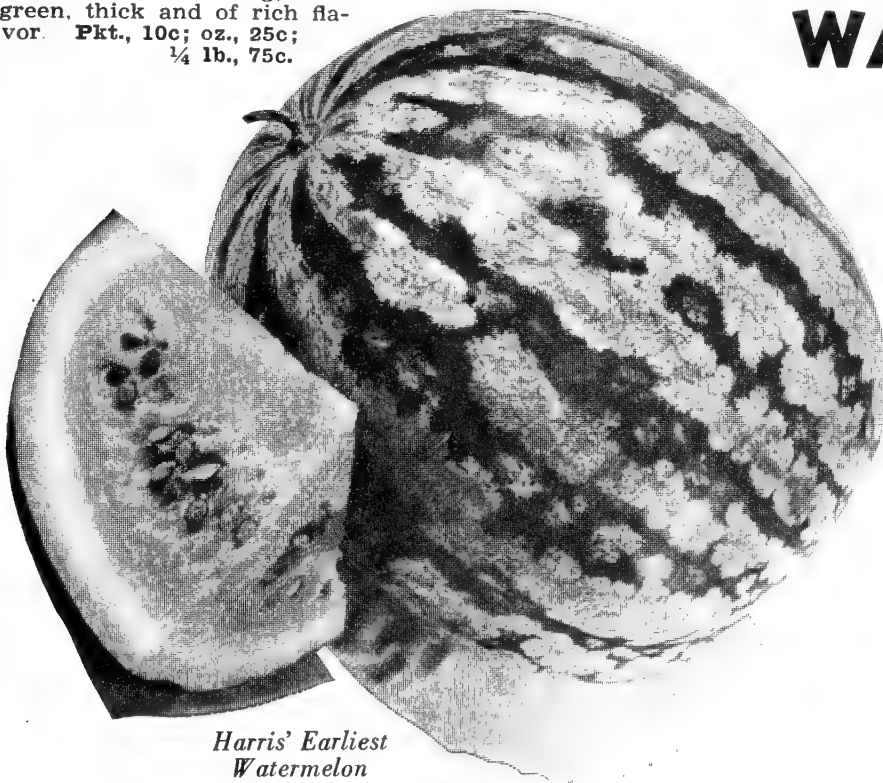
Golden Champlain



Hearts of Gold



Bender's Surprise Muskmelon



Harris' Earliest Watermelon

WATERMELONS

*Anyone Who Has
Light Sandy Soil Can
Raise Good
Watermelons*

*One ounce will plant about 25 hills;
4 lbs. to the acre.*

The culture of the watermelon is mainly the same as recommended for the muskmelon; hills should, however, be about 10 feet apart.

COLE'S EARLY. Small but very early; of fine quality and sure to mature in any latitude where melons can be grown.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

HARRIS' EARLIEST. A new extra-early variety, large and of exceptionally fine quality. Slightly oval, mottled in stripes of light and dark green. Flesh bright red. One of the most desirable for planting in the North.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

CITRON For preserving only. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

ONIONS

for

- Salads
- Soups
- Seasoning
- Pickles

1 pkt. will sow 50 ft. of drill; 1 oz. about 200 ft.; 4 to 5 lbs. per acre.

Onions are very healthful and wholesome, probably used more often in the kitchen than any other vegetable, either in connection with other foods for seasoning or in many of the delicious ways to prepare them for their own tempting goodness. Highly prized for their tonic qualities, and doctors everywhere recommend the use of onions in the diet because they are wholesome and nutritious.

Onions are not hard to grow. They like a clean, rich soil. Sow as early as possible in drills 1 foot apart.

AILSA CRAIG. Of mammoth size, larger than the Prize-taker, oval-shaped, pale straw colored skin; of very mild flavor. Extra large onions can, however, be obtained by sowing seed early in the spring in the hotbed and transplanting to the open ground. Pkt., 10c; ½ oz., 35c.

★**EARLY YELLOW GLOBE.** This is a yellow, globe-shaped onion with a fine yellow color, a good winter keeper, as its skin is very thick. It will mature 3 weeks earlier than Danvers and yields very heavily.

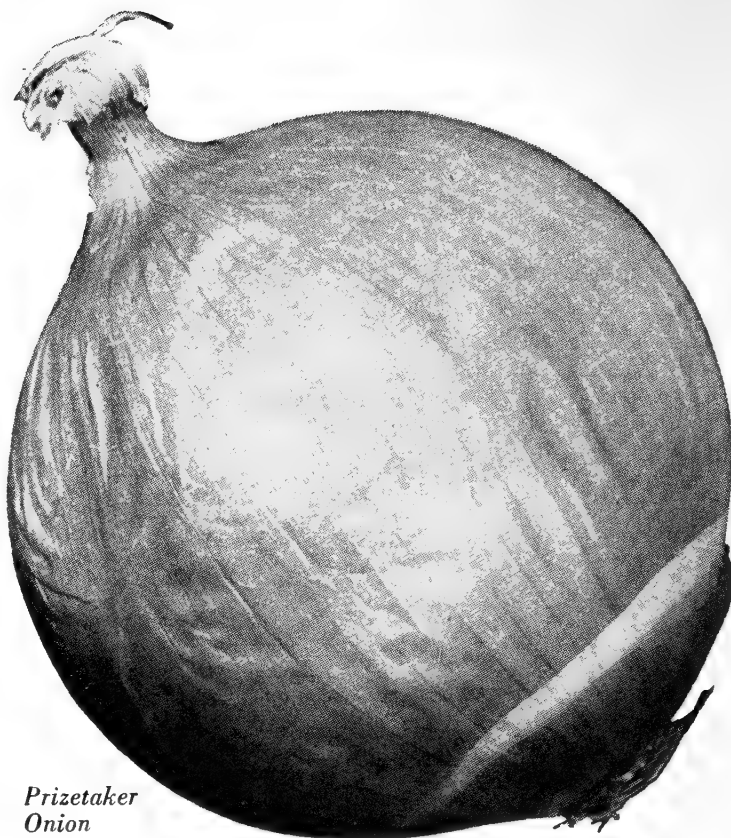
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

WHITE PORTUGAL or SILVERSKIN. An early white, flat variety, of medium size and mild flavor.

Pkt., 10c; ½ oz., 35c; oz., 60c.

LARGE RED WETHERSFIELD. The standard red variety. Bulb large, flattened but thick; skin deep purplish red. The best of all for light soils.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

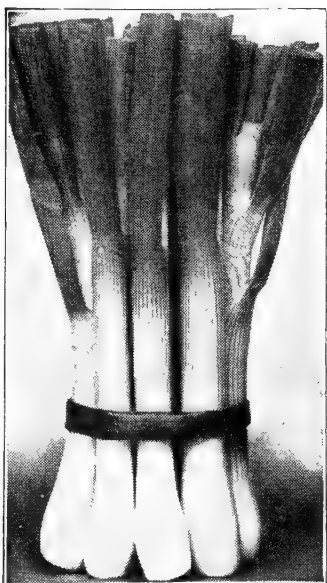


Prize-taker
Onion

PRIZETAKER. Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm. Very fine grained and of mild delicate flavor. The outside skin is rich yellow while the flesh is white. Pkt., 10c; ½ oz., 30c.

★**YELLOW GLOBE DANVERS.** The standard variety for winter use in the eastern markets. Produces well-ripened bulbs, averaging 2 inches in diameter. Skin light golden brown or pale yellow, flesh pure white, crisp, and mild in flavor. The plants have very slender necks, and consequently the bulbs keep well over winter. On account of their attractive shape and color, and their excellent keeping qualities, they always bring a good price in the markets. Selected strain. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

SWEET SPANISH. 110 days. Mild-flavored, globe shaped, light yellow onion of Spanish origin that grows to large size. Pkt., 10c; ½ oz., 40c; oz., 75c.



ONION SETS

1 lb. will plant 100 feet of row;
250 to 335 lbs. per acre.

We do not deliver Onion Sets free, purchaser pays transportation. Onion Sets weigh 1 pound per quart. For parcel post zone rates see back of order blank.

These sets will provide small green onions in 2 to 3 weeks after planting seeds, and are an important crop to precede the seed-sown varieties. They mature large onions much earlier than can be grown from seed. May be planted in early spring as soon as danger of freezing is past.

WHITE.

Lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.00.

YELLOW.

Lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.00.

EGYPTIAN or PERENNIAL. (For delivery in September.)

Special Prices On Bushel Lots.

PARSLEY Every Garden Should Have a Few Plants. It Adds Zest and Color to the Menu

One ounce will sow 200 feet of drill.

Always required for garnishing, also used for flavoring soups and stews and in salads.

Culture: Sow early, seed is slow to germinate; early radishes can be sown in same row and will be used before parsley is up. A rich soil is best, but parsley will thrive in any soil.

CHAMPION MOSS CURLED. This is a prize winning English variety. Handsome, compact plants. Leaves have the appearance of finely curled moss. Hardy and slow to run to seed.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PLAIN LEAF. The leaves of this variety are flat, deeply cut but not curled. Desirable for flavoring soups and stews, and for drying. The curled sorts are more extensively used for garnishing.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARAMOUNT. One of the best Triple Curled Parsleys we have ever seen. The leaves are a beautiful dark green, very finely curled and extremely uniform. One of the All-America selections.

Pkt., 10c; oz., 20c; ¼ lb., 50c.



Paramount Parsley

GARDEN PEAS *Plant Them Generously But Plant Them Early*

**Inoculate
This Seed With
NOD-O-GEN**

One pound will plant about 100 feet; 70 to 85 lbs. an acre.

Peas of the extra early, smooth class are first to be planted in the spring. The wrinkled sorts follow later, as they are not quite so hardy. The tall, late varieties need brush, wire or some other support. Though light, warm soil is desirable for the extra early varieties, peas generally produce a much larger crop on soil which is moderately heavy.

Plant the early and dwarf varieties in drills $2\frac{1}{2}$ feet apart and 3 or 4 inches deep, cover with only 1 inch of soil and fill the trench gradually as plants grow. Plant the taller and later varieties in rows 3 or 4 feet apart and 5 to 6 inches deep, covering as already suggested. The tall, late varieties, plant in double rows.

Extra Early Dwarf Varieties

DWARF TELEPHONE or DAISY. Pods large; peas wrinkled, sweet and tender, a heavy bearer. Height 18 inches.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

***BLUE BANTAM. An Extra Early Dwarf Producer.** The best early dwarf wrinkled pea. It is unequalled for combination of extreme earliness, superb quality and unusual productiveness. Vigorous vines average 15 inches in height and carry extra heavy crops of long, deep bluish green pods. Pods measure 4 to $4\frac{1}{2}$ inches long, tightly packed with 8 to 10 large deep bluish green peas. A Ross recommendation tested and proved for its fine quality.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

***GIANT PODDED HAMPER.** Large pods $4\frac{1}{2}$ to 5 inches long, dark heavy vines about 22 inches high, maturing in 65 days. One of the heaviest yielding early peas grown.

Pkt., 20c; lb., 50c; 2 lbs., 95c.

LAXTON'S PROGRESS. A New Dwarf Variety, 18 Inches Tall. Ready a few days earlier than Laxtonian. Pods 4 inches long, with 8 to 10 large sweet peas. Vines average 18 inches in height, bearing heavy crops in 53 days.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

***LAXTONIAN. A Grand Early Marrow Dwarf Pea. Vigorous and Dependable Grower.** The pods are not only large, but are always well filled with peas of great size and remarkably good quality. The crop is ready for use about a week later than the earlier sort. The vines grow 18 inches high and each pod contains 8 to 9 peas.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

LITTLE MARVEL. A prolific early dwarf garden pea. Recommended to the home gardener. Pods average 3 to 4 inches long.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

NOTT'S EXCELSIOR. Extra early dwarf growth. Excellent for home garden; hardy and vigorous, and will mature in 60 days. The pods are filled with 7 to 9 large peas, superior in sweetness and quality. Large and vigorous vines bearing an enormous yield.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

SUTTON'S EXCELSIOR. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

Extra Early Varieties—Taller Growth

ALASKA. Very early, smooth, blue Pea for a first early sort. Height $2\frac{1}{2}$ feet. Foliage and pods light green; pods $2\frac{1}{2}$ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity.

Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 40c per lb.

FREEZONIAN. An excellent Pea for freezing. A very heavy bearer and fine quality, pods $3\frac{1}{2}$ inches to 4 inches long. Vines about 30 inches high, ripen in 63 days. This variety is ideal for all growers of fine Peas.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

GRADUS. A remarkable variety, combining earliness and peas of largest size and best quality. Mature soon after Nott's Excelsior. Vine resembles the Telephone but is only 3 to $3\frac{1}{2}$ feet high

on rich land; productive. Pods 4 inches long, straight, slightly curved at end, light green, well filled.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

THOMAS LAXTON. Vine of about the same height as the Gradus, of similar habits but much darker, hardier and more productive. More attractive and better filled with peas as large and equal in quality. Pkt., 20c; lb., 50c; 2 lbs., 95c;

10 lbs. or over, 45c per lb.

WORLD'S RECORD. A large, early wrinkled pea with pods $3\frac{1}{2}$ to 4 inches long. The pods are well filled with peas of excellent quality. The vines are vigorous, growing about 36 to 40 inches high. Peas are ready to pick 4 to 5 days before Gradus. A variety which should be in every garden.

Pkt., 20c; lb., 50c; 2 lbs., 95c;
10 lbs. or over, 45c per lb.

Second-Early, Medium and Late Varieties

ALDERMAN. This midseason pea, tall growing, is of English origin, and a few days later than the "Improved Telephone." Pkt., 20c; lb., 45c; 2 lbs., 85c;

10 lbs. or over, 40c per lb.

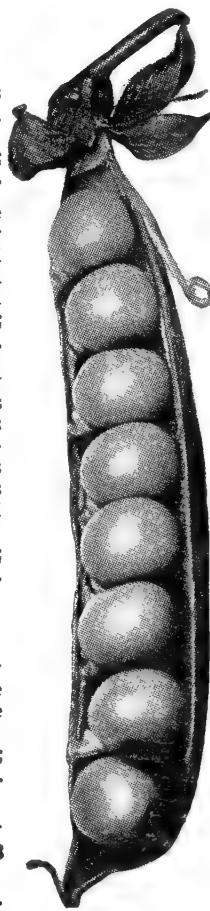
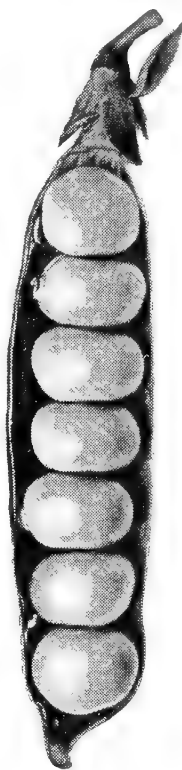
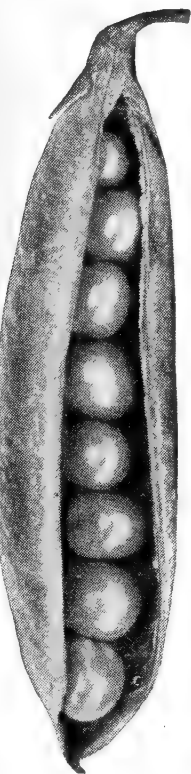
CHAMPION OF ENGLAND. Vine $4\frac{1}{2}$ to 5 feet high; productive. Pods $2\frac{3}{4}$ to 3 inches long, broad, well filled. Peas of medium size.

Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 40c per lb.

***IMPROVED TELEPHONE.** Extensively grown. Vine $3\frac{1}{4}$ to 4 feet. Productive on good soil. Pods large. Peas above medium size, of best quality.

Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 40c per lb.

For long distance, AIR EXPRESS, 3 miles per minute.



PEPPERS

Sweet and Hot

An ounce will produce from 1500 to 2000 plants.

Sow in hotbed in March or April; transplant in open ground when all danger of frost is over, in rows 3 feet apart and 2 feet apart in the row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.



Windsor "A"
Pepper

BELL or BULL NOSE. Large, bell-shaped, thick-fleshed and less pungent than some other sorts. Good for filling. Pkt., 10c; ½ oz., 35c; oz., 60c.

EARLY CALWONDER. An early strain of California Wonder maturing a week to ten days earlier than others. Plant stocky and sturdy, vigorous, prolific. Fruits 3- and 4-lobed, upright, very attractive. Pkt., 10c; ½ oz., 40c; oz., 75c.

HARRIS EARLY GIANT. The earliest known pepper and for the far North the most desirable. Plant very dwarf and compact in growth and extremely productive. Fruit 3-lobed, 3½ inches in length by 2½ inches in diameter, very mild and sweet. Pkt., 10c; ½ oz., 40c; oz., 75c.

CALIFORNIA WONDER. A midseason variety, mild and sweet, about 4½ inches long by 4 inches in diameter. Heavy walls, bright green changing to brilliant crimson. Pkt., 10c; ½ oz., 40c; oz., 75c.

RED CHERRY. Pkt., 10c; ½ oz., 40c; oz., 75c.

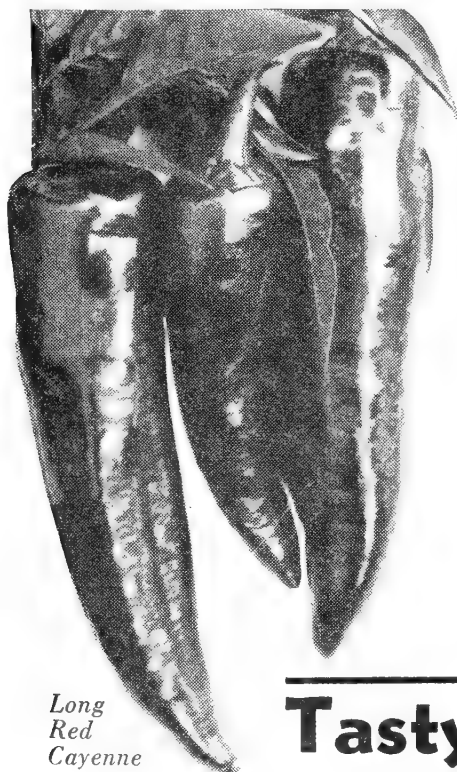
LONG RED CAYENNE. Fruit very slim, pointed, about 4 inches long, and when ripe, bright red. Extremely pungent. Pkt., 10c; ½ oz., 45c; oz., 85c.

SQUASH, or TOMATO SHAPED. Fruit flat or tomato-shaped and somewhat ribbed; flesh thick and slightly more pungent than other large sorts, early and sure to mature. Pkt., 10c; ½ oz., 40c; oz., 75c.

WINDSOR "A". It is a thick-walled type, very desirable for home or garden use. The plant is of medium height and very prolific. The fruits are sweet, smooth, thick meated and very little wrinkled or furrowed, mostly three-lobed, occasionally, however, blunt-pointed without lobes. This pepper has the advantage of being extremely early and having a very heavy first set of fruit. Pkt., 10c; ½ oz., 40c; oz., 75c.

WORLD BEATER. Large, smooth, beautiful peppers. Mild flavor, very early to ripen. Very prolific. Pkt., 10c; ½ oz., 40c; oz., 75c.

WALTHAM BEAUTY. An early prolific thick-fleshed Pepper. The fruits are similar to California Wonder but a little smaller. Pkt., 10c; ½ oz., 40c; oz., 75c.



Long
Red
Cayenne

Tasty Parsnips—Dig Them Out of The Snow

One ounce will sow 200 feet of drill; 6 lbs. are required for an acre.

A vegetable for all winter use, with a rich, sweet flavor that most people like. Easily and cheaply grown.

Culture: Sow early in the spring, seed is slow to germinate. Sow one-half inch deep in rows 2 feet apart. Thin to 5 inches in rows. Frost sweetens them; can be left in the ground all winter.

ARLINGTON LONG SMOOTH. Roots very long and smooth, with full crown, desirable for deep soil and, owing to the full crown, is less liable to rot if left in the ground through the winter than the Hollow Crown.

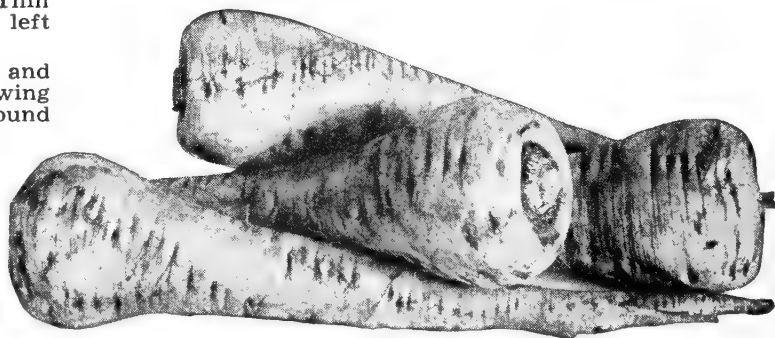
HEAVY BEARING PEANUTS

SPANISH. The best variety. An early, heavy bearer; bushes growing close, so very easily cultivated. Best re-cleaned seed stock.

Pkt., 10c; lb., 40c, postpaid.
By express, 10 lbs. or more, 35c per lb.

★**HOLLOW CROWN.** (110 days.) A good cropper, roots 15 inches long, 3 inches in diameter at the top. An old standard variety.

Prices: Of each variety we offer a choice selected strain, each, pkt., 10c; oz., 20c; ¼ lb., 50c.



Certified Seed Potatoes

Shipment from April 1st to June 1st

Culture: Cut the seed into pieces, having 2 or 3 eyes. Plant in furrows 3 feet apart and 12 to 15 inches apart in the row. One peck of potatoes should be sufficient to plant 75 to 100 hills; 10 to 14 bushels are required to plant an acre. Potatoes do best on new soil and will respond generously to fertilizer applications. Cultivate by bringing the soil well up around the plant. Spray or dust the plants for insects and blight.

Green Mountain

The most popular potato in the world; ideal for main crops, and excellent for baking. A dependable winter keeper.

A reliable medium late potato that is so popular in some sections it has superseded all other main crop varieties. It seems to thrive in all soils and in all localities, making heavy, healthy vines and yielding big crops of large, smooth white skin tubers of handsome flattish oval form. They cook white, dry and mealy.

Chippewa★

A Companion Potato with Green Mountain.

The Chippewa is a recent introduction of the United States Department of Agriculture. It is a high yielding potato, highly resistant to mild mosaic. It has a velvety white skin with very shallow eyes; regular in outline, oblong to elliptical in shape. It matures earlier than the Green Mountain and other late maturing varieties. It consistently produces an attractive tuber with a very high percentage of No. 1 potatoes. A distinct advantage possessed by the Chippewa is its maturity before the usual time of digging the late crop. While it is not classed as an early variety, it matures somewhat earlier than Green Mountain and other late maturing varieties. **Maine Certified Seed.**

Sebago

Sebagoes stand up well in transit. It is a firm fleshed variety and little shrink may be expected in the bin. It is true as with all varieties some faults may be found with the Sebago. It is a late maturing variety and the tubers are similar to the Chippewa. Sebago is recommended where a late, smooth, round variety with shallow eye, resistant to late blight is desired.

We recommend POTA-TOX for Potato spray, and C.O.C.S. NIATOX CODE 827 for dusting.

Irish Cobblers

An early, white-skinned variety; very short, thick, inclining to round. This is yearly increasing in popularity for the early market. Ready for market about 10 days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra early varieties, nor greatly surpassed in yield by any of the main crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. A dependable early variety.

Katahdin

The Long Keeping Potato.

Originated by the U. S. Department of Agriculture and promising to become the outstanding late potato for market or storage. It was originated in Maine, by double crossing unnamed seedlings of Rural New Yorker No. 2 and Aroostook Wonder parentage. It was bred for disease resistance, quality and yield. During the 8 years it was under observation, it has been entirely free from mild mosaic. In yield it has constantly surpassed Rural New Yorker or Green Mountain. The tubers are smooth, short, elliptical to roundish, and have few, very small eyes. The crisp white flesh has a distinct desirable cooking quality which appeals to the housewife.

The Potatoes we offer are grown in Aroostook County, Maine, and are certified by Maine State officials. We suggest that you plant new certified seed each season.

Prices, subject to change: 30 lbs., \$1.73; 60 lbs., \$3.36; 100 lbs., \$5.25 at Worcester.

Herbs

	Pkt.		Pkt.
Anise	\$0.10	Marjoram,	
Caraway ..	.10	Sweet ..	\$0.10
Catnip ....	.10	Sage .....	.10
Coriander .	.10	Savory,	
Dill .....	.10	Summer. .	.10
Fennel ...	.10	Sweet Basil .	.10
Lavender .	.10	Thyme ...	.10

Bird Seeds Best Recleaned for Feeding Only

	Lb.	100 lbs.
Canary	\$0.20	\$17.00
Hemp .....	.30	50.00
Lettuce .....	.30	24.00
Rape .....	.30	25.00
Sunflower, Striped ...	.40	32.00
Flax .....	.35	29.00



Irish Cobbler



Early
Long
Scarlet

Radishes You'll Want Them All Summer Plant Every Two Weeks

An ounce will sow 100 feet of drill.

The secret in growing good radishes consists chiefly in the observance on the part of the grower of 3 points. First, they should be grown on light quick soil. Second, they should be given plenty of water, and last, but by no means least, the right kind of seed should be sown. For the first crop sow as early in spring as ground can be worked, and every two weeks through the season.

A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August. One ounce will sow 100 feet of drill, 8 to 10 pounds per acre.

***EARLY SCARLET GLOBE.** A very early globe-shaped radish suitable for open ground. The radishes are of handsome shape, attractive bright red, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled 20 days from sowing the seed. This is the most popular variety for forcing. Our seed is of the very finest strain grown from transplanted roots and will be found unsurpassed.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

CRIMSON GIANT. An early but large, round or slightly globular radish adapted for either forcing or outdoor cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass, nor outdoors, even when it is twice as large and older. Beautiful crimson-carminé, attractive and of fine quality.

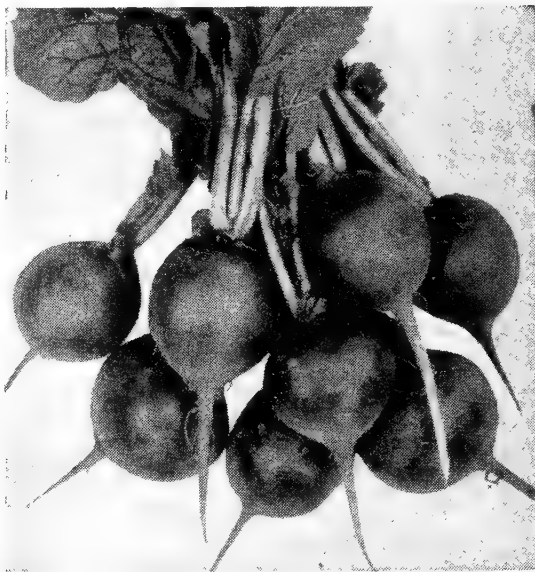
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

EARLY SCARLET TURNIP. A small, round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

EARLY SCARLET TURNIP. White Tipped. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.



Early Scarlet Globe

EARLY LONG SCARLET. Short-Top. Once the most popular radish but has been largely displaced by the round varieties; 6 to 8 inches long, matures in 25 to 30 days. Pkt., 10c; oz., 20c.

EARLY WHITE GIANT STUTT-GART. Root large, clear white, often 4 inches in diameter. Can be stored for winter use.

Pkt., 10c; oz., 20c.

FRENCH BREAKFAST. Stump-rooted; about 3 inches long. Bright scarlet, tipped white.

Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.25.

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use.

Pkt., 10c; oz., 20c.

ROUND BLACK SPANISH. White flesh with black skin.

Pkt., 10c; oz., 20c.

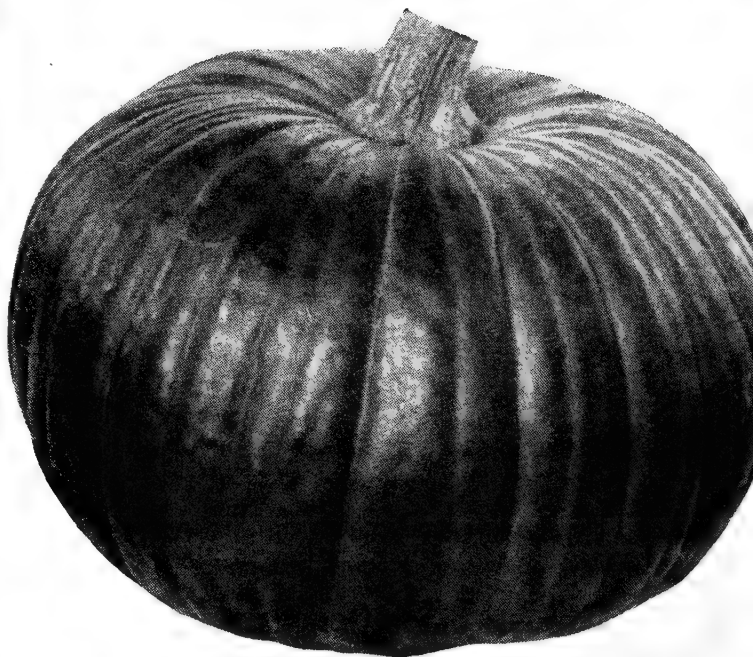
***WHITE ICICLE.** The earliest pure white, long, summer radish. Roots when matured are 5 to 6 inches long by about ½ inch in diameter. One of the best outdoor summer radishes.

Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.25.

**For Good Crops It Is
Important to Plant
Ross' Selected Seeds**



White Icicle



Small Sugar Pumpkin

Pumpkin for Pies

An ounce will plant 25 hills.

SMALL SUGAR. The popular variety in New England for pies; fine grained and sweet.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

CONNECTICUT FIELD. The standard variety for feeding stock.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

JUMBO or KING OF THE MAMMOTHS. The largest of all pumpkins. Skin orange-salmon; flesh bright yellow, very thick, fine grained and of excellent quality for pies.

Pkt., 10c; oz., 25c; ¼ lb., 70c.



Victoria Rhubarb

RHUBARB

Fresh and Delicious

The roots can be raised from seed sown in spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

VICTORIA. The most popular variety, fine for family use and market. Comes quite true from seed.

Pkt., 10c; oz., 25c; ¼ lb., 90c.

RHUBARB ROOTS. Sent by express or parcel post at buyer's expense. Each, 25c.

SALSIFY

An ounce will sow 50 feet of drill.

Sow early and deeper than parsnip, otherwise culture is the same and, like parsnips, roots, if desired, may be left in the ground through the winter, but should be dug very early in the spring, as they deteriorate after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of strong growth, and less liable to grow spongy than the old Long White.

Pkt., 10c; oz., 50c; ¼ lb., \$1.50.



Salsify

Spinach DOCTORS AND THE FUNNIES RAVE ABOUT ITS VIRTUES

An ounce will sow 100 feet of drill; 14 to 16 pounds to the acre.

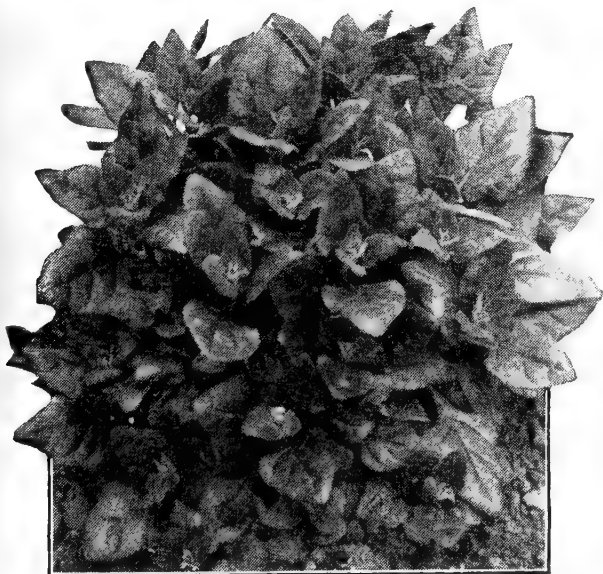
Culture: For spring and summer use, sow in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich.

***SUMMER SAVOY.** This strain of Long Standing Bloomsdale is fine for a summer crop as it will stand hot weather well. It is a little darker than Bloomsdale Long Standing. Pkt., 10c; oz., 15c; ¼ lb., 40c.

SAVOY-LEAVED, or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed and crimped. Pkt., 10c; oz., 15c; ¼ lb., 40c.

SAVOY, VIRGINIA YELLOWS-RESISTANT. It will grow on disease-infested soil and produce a crop where others fail. Pkt., 10c; oz., 15c; ¼ lb., 40c.

NEW ZEALAND. The hot weather spinach. Leaves and stems are succulent and tender. May be picked frequently during the summer. Pkt., 10c; oz., 20c; ¼ lb., 50c.



New Zealand Spinach

BLOOMSDALE LONG STANDING. In appearance quite similar to the Bloomsdale strain, the leaves being more intensely green. On account of the low per cent of male plants it stands heat remarkably well. After other kinds have gone to seed this will stand for a long time.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

***EARLY GIANT THICK-LEAVED.** Leaves very large and thick, deep green, attaining a size suitable for use early and plant grows to a large size before running to seed.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

Small Summer Garden Collection

Sent postpaid in the United States for \$1.00. Catalog total price, \$1.25.

One packet of seed of each of these 9 varieties:

Black Wax Beans
World Record Peas
Golden Early Market
Sweet Corn
Early Wonder Beet

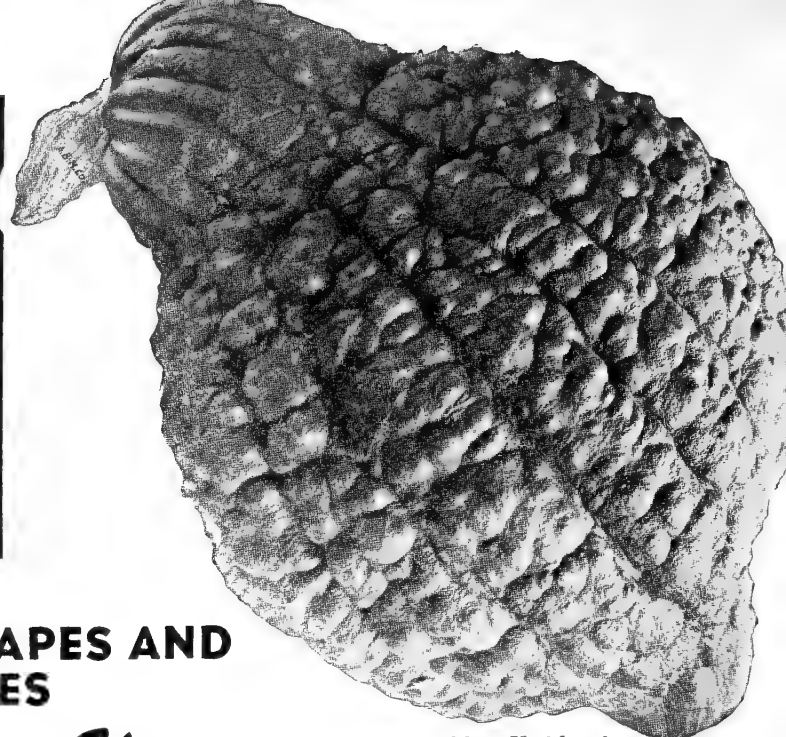
Danvers Carrot
Fortune Cucumber
Iceberg Lettuce
Scarlet Globe Radish
Summer Crookneck Squash



Early Giant Thick-Leaved Spinach



Butternut



Blue Hubbard

SQUASH IN ALL SHAPES AND SIZES

for Summer and Winter Use

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

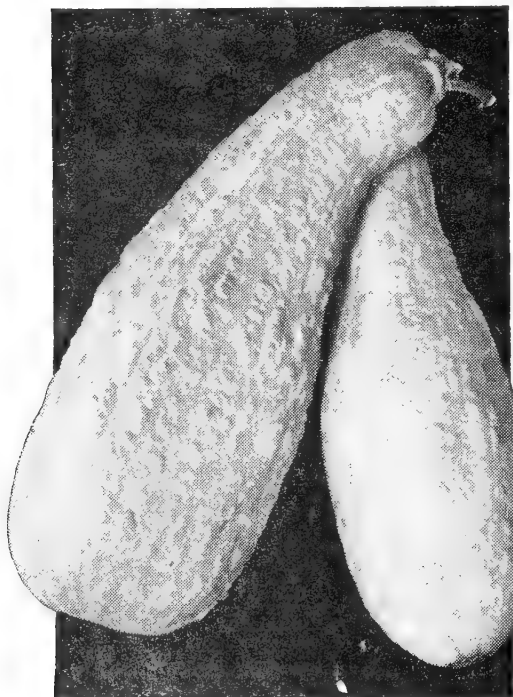
WINTER SQUASH

***BLUE HUBBARD.** Special Market Gardeners' strain. The Symmes Blue Hubbard is an entirely distinct variety resembling the Warty Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities can not be surpassed.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

BUTTERCUP. Has excellent quality and fine thick sweet flesh. Very popular for local markets and roadside stands. Shape is flat with distinctive button.

Pkt., 10c; oz., 45c.



Early Prolific Straightneck

BUTTERNUT. The fruits are of a yellowish brown color and bottle-shaped. Flesh is yellow, dry, sweet and excellent flavor. Small seed cavity. Keeps well into the winter months. Pkt., 10c; oz., 60c.

GOLDEN HUBBARD. A rich orange-red instead of the dark olive-green of the old Hubbard, the flesh is thick and a little deeper colored. Good quality, fine grained and dry.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

***GREEN HUBBARD. W.** A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

***GOLDEN DELICIOUS.** A fine home garden variety. Medium size, with deep orange shell and thick orange flesh. A good keeper.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

DELICIOUS. A fall and winter variety. Color, usually dark green. Shell moderately hard but very thin; flesh thick, very fine grained, sweet and of finest flavor.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

WARREN TURBAN. Has a shell generally harder and thicker than the Essex Hybrid. The color is a deeper and richer orange, while the quality is decidedly better. Grown very extensively by market gardeners.

Pkt., 10c; oz., 25c;
¼ lb., 85c.

TABLE QUEEN, or DES MOINES. Desirable for home and market garden use. Acorn-shaped fruit, ribbed, smooth, thin shelled, dark green, flesh light yellow, bakes well, with sweet inviting flavor.

Pkt., 10c; oz., 20c;
¼ lb., 50c.

GOLDEN TABLE QUEEN, or DES MOINES. Similar to the green. Rich, buttery, sweet, golden flesh, ¾ inch thick. Pkt., 10c; oz., 20c; ¼ lb., 50c.

SUMMER SQUASH

ITALIAN VEGETABLE MARROW. Dark green at first, becoming marbled with yellow as they mature. The young fruits when fried in oil, constitute a vegetable delicacy very popular.

Pkt., 10c; oz., 20c;
¼ lb., 50c.

EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor.

Pkt., 10c; oz., 20c;
¼ lb., 50c.

***EARLY GIANT SUMMER.** Early, mostly straight necked and much larger than the Summer Crookneck. A fine quality, growing from 14 to 16 inches long. Extensively used by market gardeners and exceptionally good for home gardeners.

Pkt., 10c; oz., 20c;
¼ lb., 50c.

EARLY PROLIFIC STRAIGHTNECK. It is 10 days earlier than other summer squashes. The squash is smaller than the old Straightneck, smooth and has a clear yellow color. The vine is dwarf and very prolific.

Pkt., 10c; oz., 20c;
¼ lb., 50c.

YANKEE HYBRID. The squash are of the finest type and very uniform. The skin has a waxy yellow color, very attractive. Early and prolific.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

EARLY WHITE BUSH SCALLOP. 54 days. A patty-pan scalloped edged variety, with creamy white skin and flesh, of fine quality.

Pkt., 10c; oz., 25c.

ZUCCHINI. (Black.) 65 days. Long cylindrical fruits weighing 5 to 6 pounds, use when young, cook like Eggplant.

Pkt., 10c; oz., 25c.

Tomatoes

Are the Backbone of Every Successful Vegetable Garden

Tomatoes are to be found in every garden. They are easily grown and can be used in so many different ways. It is well to grow an early as well as a main-crop, whether they are for home use or market. The main crop is, of course, more desirable for canning.

CULTURAL DIRECTIONS

An ounce will produce about 2,000 plants.

Tomatoes do best on light, warm, not over-rich soil. Sow in hotbed or window-box (where 60 degree Fahrenheit is the minimum night temperature) in March, in rows 3 inches apart and ½ inch deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant 4 inches apart each way in hotbeds, cold frames or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills, into each of which fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established.

ACME. Vine hardy and productive. Fruit in clusters of four to five, round, smooth and of good size; flesh solid and of excellent flavor.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

AMERICAN FAVORITE. A new purplish pink Tomato. Fruit large, very smooth, excellent flavor. Plants vigorous and most productive.

This variety was originated by Mr. William E. Vail, Yorktown Heights, New York.

Pkt., 10c; ½ oz., 35c; oz., 60c.

BEAUTY. Fruit large, very smooth, excellent flavor, color purplish pink.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

BONNY BEST. Large size tomatoes, bright scarlet in color. Excellent variety for the canner as it yields from 12 to 15 tons to the acre.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

COMET. An excellent greenhouse sort, heavy yielder.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

DWARF CHAMPION. Dwarf, compact, upright growth. Fruit smooth and solid.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

GOLDEN JUBILEE. The best yellow-orange variety, fruit smooth and globe shaped with excellent flavor. Pkt., 15c.

JOHN BAER. The rich, scarlet-red fruits are thick and slightly flattened at the top; smooth, firm and of medium large size. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

MARGLOBE. Resists rust and wilt. Almost round; of large size and bright red color. It is one of the most productive tomatoes in cultivation. Marglobe is early and continues bearing over a long period of time. It possesses a delicious flavor, and the tenaciousness of its skin minimizes cracking of the fruit.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Marglobe

PONDEROSA. A large smooth tomato. Color, deep purple. The fruit is exceptionally solid, with few seeds and is quite free from acid. Ideal for shipping.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PRITCHARD. A great advance in the early class. Ripens with Earliana and ahead of Bonny Best. A cross between Marglobe and Cooper's Special. Good size, intense scarlet, solid, almost no core, small seed pockets; valuable for both market and home garden.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

RUTGERS. Wilt-resistant. Has thick outer and inner walls of solid meat. It is globe-shaped, scarlet-red in color, resembling Marglobe. Ripens first in the center of the fruit so that when red on the outside, the tomatoes are ripe all through. Rutgers is in great demand for all purposes.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

SPARKS' EARLIANA. A deep red tomato. The vines are compact in growth, with short, close-jointed branches. Extra early and the best so far produced. Very productive. Fruit fair size and firm. Ripens 108 days from date of sowing seed. Pkt., 10c; ½ oz., 30c; oz., 60c; ¼ lb., \$1.70.

STOKESDALE. Fine for market and canning; medium size fruit, globe shaped and bright scarlet color. The fruit ripens evenly and is very free of cracks and blemishes.

Pkt., 10c; ½ oz., 30c; oz., 50c.

STONE. Vines vigorous and productive; fruit large, smooth, deep red in color, and heavy. The best all around variety where earliness is not important.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

RED PLUM. (Italian.)

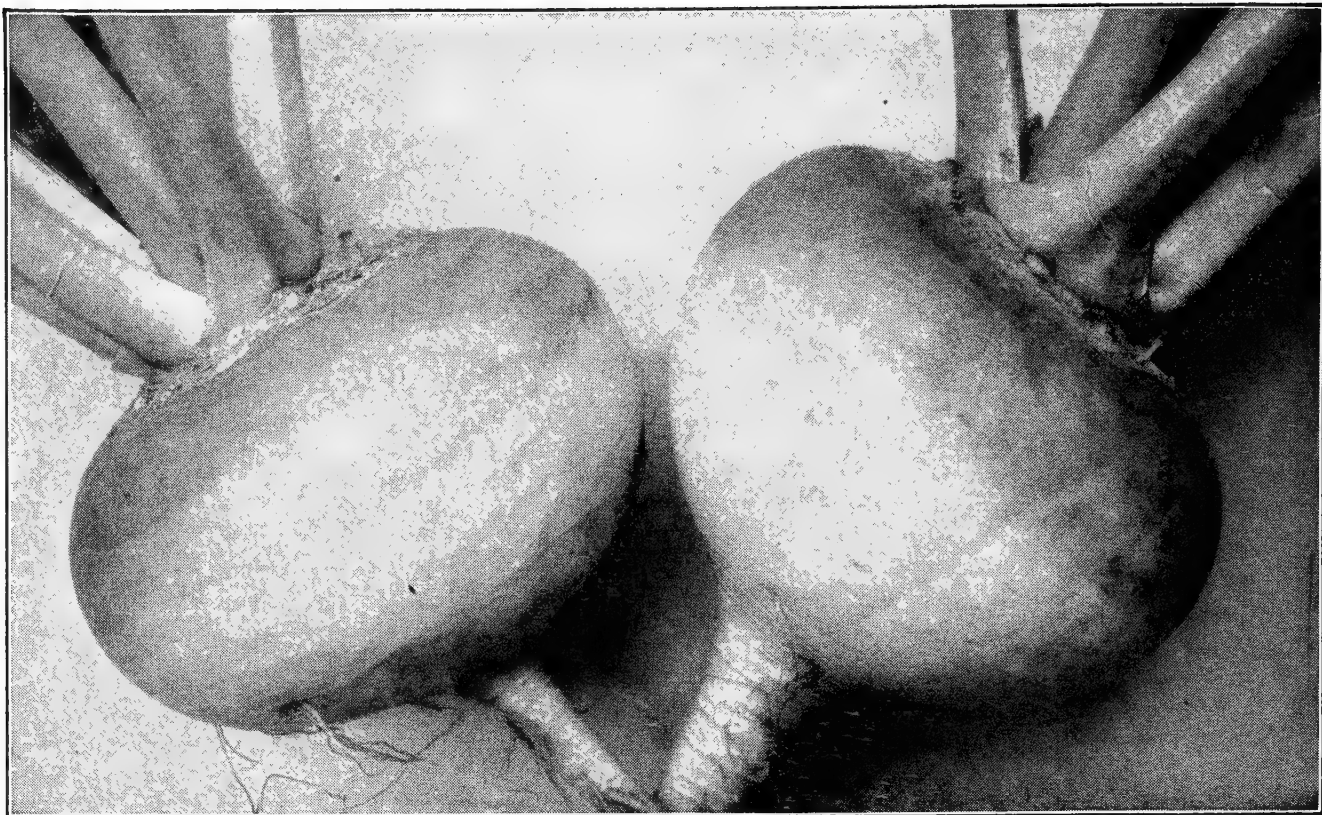
Pkt., 10c.

YELLOW PLUM.

Pkt., 10c.

YELLOW HUSK, or STRAWBERRY.

Pkt., 10c.



Early Purple Top Flat

Early Purple Top White Globe

Dependable Table Turnips

An ounce will sow 200 feet of drill. If sown in drills, one pound is required for an acre; if sown broadcast, less seed is sufficient if sown evenly.

Culture: For early, sow seed of flat varieties in open ground in spring in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession, sow every 2 weeks until June. For fall and winter, sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For rutabagas, sow seed in seed-bed in spring and transplant to good warm soil in rows at least 2 feet apart and 8 to 10 inches apart in the rows, or sow in open ground during June and early July. Take up roots just before winter, top and store in cool cellar, or pit outdoors.

EARLY WHITE MILAN. Roots flat, smooth and symmetrical, pure white. Top very small, upright, and compact, permitting close planting. The earliest and much the best of any extra early white variety.

Pkt., 10c.

EARLY PURPLE MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top.

Pkt., 10c.

EARLY PURPLE-TOP FLAT. A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

***WHITE EGG.** More extensively grown than any other variety. White, egg-shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

A Great Favorite Early Purple Top White Globe

One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

GOLDEN BALL, or ORANGE JELLY. Of globular form, medium size, skin rich orange; flesh pale amber, very fine-grained, mild and sweet. One of the most attractive, of the best quality and keeps well.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

YELLOW GLOBE. The standard yellow variety. The form is round, slightly flattened. Largely grown for stock, and to some extent for market. An excellent keeper.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

COW HORN, or LONG WHITE. Root long, slightly crooked and grows nearly half above ground. Clear white, except a little green at top. Though more largely used for feeding stock, it is a fine table variety, being tender and of mild flavor. Of very rapid growth.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

Rutabaga or Swede Turnips

WHITE FRENCH, or ROCK. Also an old and popular sort. Roots a little longer than Sweet Russian, but does not otherwise differ. Valuable for table or feeding.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

GOLDEN PURPLE TOP. The finest Purple Top. A beautifully shaped Turnip, very hardy, having excellent eating qualities.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

LONG ISLAND IMPROVED. Grows much larger than other American varieties, is, therefore, desirable for stock, but equally desirable for the table and market, as it is tender and sweet and of very attractive appearance.

**Pkt., 10c; oz., 25c;
¼ lb., 75c.**

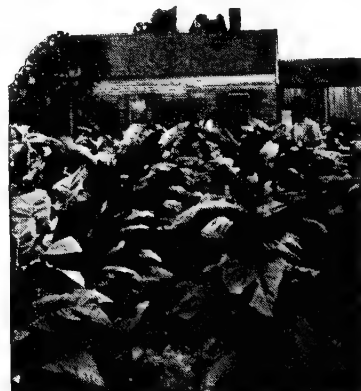
Successful Tobacco Seed

CONNECTICUT SEED LEAF. A hardy cigar variety, well adapted to growing in the Middle and Northern States.

Pkt., 10c; oz., 75c.

HAVANA. Leaf very thin, fine texture. Much used for cigar wrappers.

Pkt., 10c; oz., 75c.



Reference Table

GARDEN SEEDS

	Per Acre		Per Acre
Artichoke, 1 oz. to 500 plants	½ pound	Kohl-Rabi, 1 oz. to 200 ft. of drill	1½ pounds
Asparagus Seed, 1 oz. to 800 plants	4 pounds	Leek, 1 oz. to 200 feet of drill	4 "
Asparagus Roots	2500 to 7000	Lettuce, 1 oz. to 200 feet of drill	3 "
Beans, Dwarf, 1 pound to 100 ft. of drill ..	60 pounds	Melon, Musk, 1 oz. to 100 hills	2½ "
Beans, Pole, 1 pound to 100 hills	30 "	Melon, Water, 1 oz. to 25 hills	4 "
Beet, Garden, 1 oz. to 100 ft. of drill	6 to 8 "	Mustard, 1 oz. to 50 feet of drill	8 "
Beet, Sugar and Mangel, 1 oz. to 100 ft. of drill	5 "	Okra, 1 oz. to 50 feet of drill	4 to 5 "
Broccoli, 1 oz. to 3000 plants	4 ounces	Onion Seed for sets	30 to 50 "
Brussels Sprouts, 1 oz. to 3000 plants	4 "	Onion Sets, 2 pounds to 50 feet of drill ...	250 "
Cabbage, 1 oz. to 3000 plants	4 "	Parsnips, 1 oz. to 200 feet of drill	4 "
Carrot, 1 oz. to 150 feet of drill	2½ pounds	Parsley, 1 oz. to 200 feet of drill	4 "
Cauliflower, 1 oz. to 3000 plants	5 ounces	Peas, Garden, 1 pound to 100 feet of drill .	100 "
Celery, 1 oz. to 10,000 plants	4 "	Pepper, 1 oz. to 1500 plants	4 ounces
Celeriac, 1 oz. to 10,000 plants	4 "	Potatoes	600 to 700 pounds
Chervil, 1 oz. to 8000 plants	4 pounds	Pumpkin, 1 oz. to 50 hills	3 "
Chicory	4 pounds	Radish, 1 oz. to 100 feet of drill	8 to 10 "
Collards, 1 oz. to 5000 plants	12 "	Sage, 1 oz. to 100 feet of drill	5 "
Corn, Sweet, ¼ pound to 100 hills	12 "	Salsify, 1 oz. to 60-foot row	8 "
Cress, 1 oz. to 150 feet of drill	2½ "	Spinach, 1 oz. to 100 feet of drill	12 "
Cucumber, 1 oz. to 50 hills	2 "	Squash, Summer, 1 oz. to 25 hills	4 "
Dandelion, 1 oz. to 200 feet of drill	5 "	Squash, Winter, 1 oz. to 10 hills	2 "
Dill, 1 oz. to 200 feet of drill	4 ounces	Tomato, 1 oz. to 2500 plants	3 ounces
Eggplant, 1 oz. to 2000 plants	4½ pounds	Tobacco, 1 oz. to 5000 plants	1½ pounds
Endive, 1 oz. to 300 feet of drill	4 ounces	Turnip, 1 oz. to 200 feet of drill	1 "
Kale, 1 oz. to 300 plants		Turnip, Rutabaga, 1 oz. to 150 feet of drill.	

GRAIN AND FORAGE CROPS

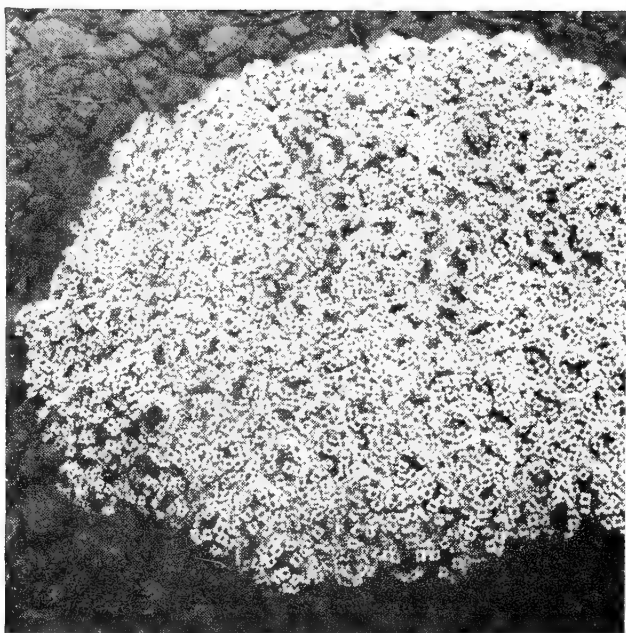
	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Alfalfa	15-25	60	Millet, Japanese	15-25	35
Barley, for grain	100	48	Oats, for grain	50-60	32
Barley, for forage	140	48	Oats, for forage	100	32
Beans, Soy or Soja	60-75	60	Peas, Field, broadcast	150-160	60
Buckwheat	50-75	48	Peas, with Oats	90-100	60
Clover, Alsike	6-8	60	Rye, for grain	60-75	56
Clover, Crimson	18-20	60	Rye, for forage	80-100	56
Clover, Ladino	4	60	Rape, Dwarf Essex, in drills	4-6	50
Clover, Mammoth Red	10-12	60	Rape, Dwarf Essex, broadcast	8-10	50
Clover, Medium Red	10-12	60	Sudan Grass, in drills	4-6	40
Clover, White Sweet	20	60	Sudan Grass, broadcast	18-20	40
Corn, Dent for silage	20-30	56	Vetch, Hairy, with one bushel small grain	30-40	60
Corn, Flint, for grain	15	56	Wheat	90-120	60
Millet, Golden	50	50			
Millet, Hungarian	50	48			

GRASS SEEDS

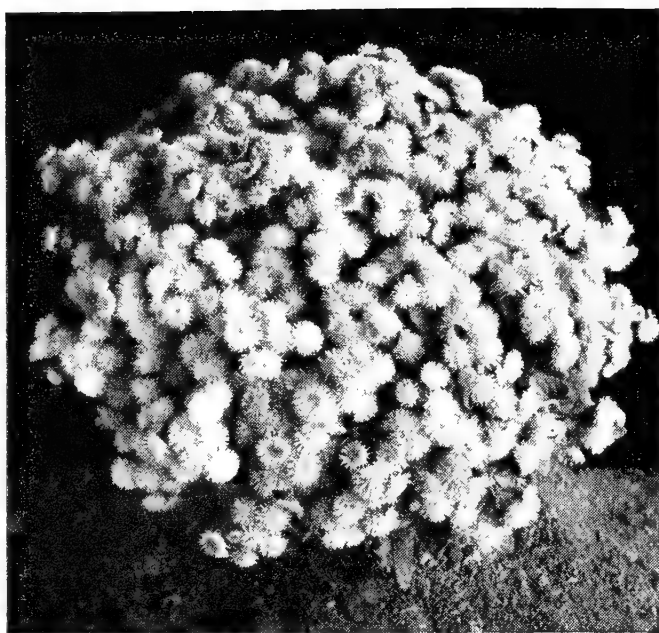
	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Awnless Brome	18-25	14	Rye Grass, Italian	60	22
Blue Grass, Canada	30-35	14	Rye Grass, Pacey's	50	28
Blue Grass, Kentucky	20-25	14	Red Top, Recleaned Seed, Worcester Brand	40-50	36
Creeping Bent	50	14	Red Top, Unhulled Seed	70	14
Crested Dogstail	30	28	Rhode Island Bent	20-40	14
Fescue, Hard	30	16	Rough Stalk Meadow	30-35	26
Fescue, Meadow	24	16	Sweet Vernal, use only in mixture		
Fescue, Red or Creeping	30	16	Tall Meadow Oat	45	12
Fescue, Sheep's	40	16	Timothy	12-25	45
Fescue, Various Leaved	20-25	15	Lawn Seed Mixture, Shady Spot	100-125	20
Meadow Foxtail	30	8	Lawn Seed Mixture, Worcester Brand ..	100-125	25
Orchard Grass	20-25	14	Wood Meadow	25-30	19
Rye Grass, English	50	28			

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE

Distance	Number	Distance	Number
1 ft. by 1 ft.	43,560	6 ft. by 6 ft.	1,210
1½ ft. by 1½ ft.	19,360	8 ft. by 8 ft.	680
2 ft. by 1 ft.	21,780	10 ft. by 10 ft.	434
2 ft. by 2 ft.	10,890	12 ft. by 18 ft.	302
2½ ft. by 2½ ft.	6,970	15 ft. by 15 ft.	194
3 ft. by 1 ft.	14,520	18 ft. by 18 ft.	134
3 ft. by 2 ft.	7,260	20 ft. by 20 ft.	103
3 ft. by 3 ft.	4,840	25 ft. by 25 ft.	70
4 ft. by 4 ft.	2,722	30 ft. by 30 ft.	40
5 ft. by 5 ft.	1,742	40 ft. by 40 ft.	27



Alyssum, Carpet of Snow



Ageratum, Midget Blue

Ross' Choice Annuals

Gardens That are Well Planted Will Have Flowers in Abundance This Year

Annuals are flowers that sprout from seed, all of which die within the limits of the garden year. Being inexpensive, they appeal to both home owner and renter. It is possible to enjoy at a low cost all of Nature's beauty in color and fragrance. The many varieties we offer in this book are carefully selected to supply the utmost in flower beauty and satisfaction.

Acroclinium

Everlasting Flower

An everlasting flower, which, when cut and dried, is very valuable for winter bouquets.

139 **Light Rose and Pure White. Mixed.**

Pkt., 10c; ¼ oz., 35c.

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

160 **Coeli-Rosa** (Rose of Heaven). Rose, with white center. Hardy annual. 1½ feet.

Pkt., 10c; ¼ oz., 25c.

Ageratum

Hardy Annual

Floss Flower

A plant of the greatest beauty and value for garden or window, unexcelled for border, rock garden or bedding.

148 **Mexicanum.** Blue. 1½ ft.

Pkt., 10c; ¼ oz., 30c.

149 **Mexicanum Album.** White. 1½ ft.

Pkt., 10c; ¼ oz., 30c.

150 **Fairy Pink.** Soft salmon-rose-pink.

Pkt., 10c.

151 **Little Dorrit.** Azure-blue. 8 inches.

Pkt., 10c; ¼ oz., 35c.

152 **Midget Blue.** A truly compact variety only 3 to 4 inches tall with dense spread. Azure-blue flowers.

Pkt., 25c.

153 **Little Blue Star.** A miniature variety with beautiful mauve flowers. 5 inches.

Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00.

154 **Blue Perfection.** Large heads of amethyst-blue flowers; 8 inches.

Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c.

155 **Dwarf Blue Cap.** Dwarf rich blue flowers. 4 inches.

Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00.

156 **Purple Perfection.** Deepest blue.

Pkt., 10c; ⅛ oz., 35c.

158 **Mixed Colors.** All varieties mixed.

Pkt., 10c; ¼ oz., 35c.

Alyssum

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging.

166 **Sweet Alyssum.** Fragrant, white. 10 inches.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

167 **Little Gem.** Of spreading habit, forming compact masses of bloom often a foot or more in diameter. White, fragrant. 4 to 6 inches.

Pkt., 10c; ¼ oz., 30c; oz., 90c.

168 **Carpet of Snow.** Of very dwarf habit; white, fragrant. 2 to 3 inches.

Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.

169 **Violet Queen.** A dwarf compact form, with bright violet flowers. Does not fade in hot weather. 4 inches.

Pkt., 10c; ⅛ oz., 35c.

171 **Little Dorrit.** Little bushes fairly smothered with miniature white flowers. A gem for edging and beds. 3 inches high.

Pkt., 10c; ¼ oz., 25c; oz., 75c.

Amaranthus

Brilliantly colored foliage, and bearing peculiarly formed flowers.

175 **Caudatus** (Love-Lies-Bleeding). Long, drooping flower, blood-red. Half-hardy annual. 3 feet.

Pkt., 10c; ⅛ oz., 25c.

178 **Tricolor Splendens** (Joseph's Coat). Red, yellow, and green foliage.

Pkt., 10c; ⅛ oz., 25c.

Anchusa

184 **Blue Bird.** Compact plants, 20 to 24 inches high with clusters of vivid indigo-blue flowers. Excellent for cutting.

Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.

185 **Capensis** (Cape Forget-Me-Not). Attractive annual with azure-blue flowers. 1½ feet.

Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.



Acroclinium

Antirrhinum

(Snapdragon)

Rust-proof. 75% or better Rust-proof.

One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.

190D University of California De Luxe Mixture.

Pkt., 10c; 1/8 oz., 75c; 1/4 oz., \$1.25.

191 Maximum Rust Resistant. California Giants. Exquisite mixed.

Pkt., 10c; 1/8 oz., 75c.

191A Tetraploid Superfine Mixture

Pkt., 25c.

Snaps for Greenhouse Forcing

192 Afterglow. Golden bronze.

Pkt., 25c.

192A Bertha Bauer. Lavender.

Pkt., 25c.

193 Ceylon Court. Yellow.

Pkt., 25c.

194 Cheviot Maid. Supreme, early pink.

Pkt., 25c.

195 Rose Queen. Dark pink.

Pkt., 25c.

196 Lucky Strike. Pure white.

Pkt., 25c.

Snapdragons, Large Flowered Type

197 Tall Mixed.

Pkt., 10c; 1/8 oz., 50c.

198 Grandiflora. Giant varieties mixed.

Pkt., 10c; 1/8 oz., 50c.

199 Semi-Dwarf Varieties. Mixed colors.

Pkt., 10c; 1/8 oz., 65c.

199A Tom Thumb. Extra dwarf. Choice mixture.

Pkt., 10c; 1/8 oz., 70c.

Arctotis

210 Grandis (Blue-Eyed African Daisy). 3 ft. Pearly white with a gold band surrounding a mauve center. Foliage gray-green.

Pkt., 10c; 1/4 oz., 35c.

211 Hybrids. Showy Daisy-like flowers, red and orange shades.

Pkt., 10c; 1/8 oz., 75c.

Asparagus

216 Plumosus Nanus. Beautiful house plants. The feathery foliage is unrivaled for cutting.

Pkt., 15c.

217 Sprengeri. Excellent plants for table decorations.

Pkt., 15c.

Balsam

They are among the showiest and most popular of our summer garden annuals, forming bushy plants, covered with double flowers of brilliant colors.

225 Improved Camellia-Flowered. Mixed colors. Double flowers of the finest type and a wide range of beautiful colors. Pkt., 10c; 1/4 oz., 40c.

227 Double Dwarf Mixed. Showy little bushes about 8 inches high, with double and semi-double flowers.

Pkt., 10c; 1/4 oz., 25c.

228 Double Rose Flowered. Finest Mixed.

Pkt., 10c; 1/8 oz., 25c.

230 Choice Mixed. Double flowers of many colors.

Pkt., 10c; 1/4 oz., 25c.

Balloon Vine

235. A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet.

Pkt., 10c; 1/2 oz., 25c.

Bartonia Aurea

236. Showy, hardy annual, its golden yellow flowers being freely produced. It grows well in partial shade, but should not be crowded.

Pkt., 10c; 1/4 oz., 25c.

Beans

ORNAMENTAL VARIETIES

The Scarlet and White Runner Beans are popular as ornamental climbers. The former is largely grown. Fine for ornamental effects.

240 Scarlet Runner. Pkt., 10c.

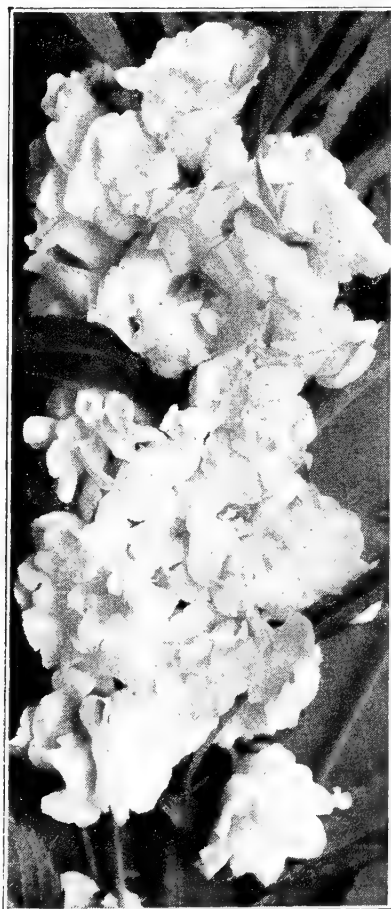
241 White Runner. Pkt., 10c.

BLUE LACE FLOWER. See Didiscus.

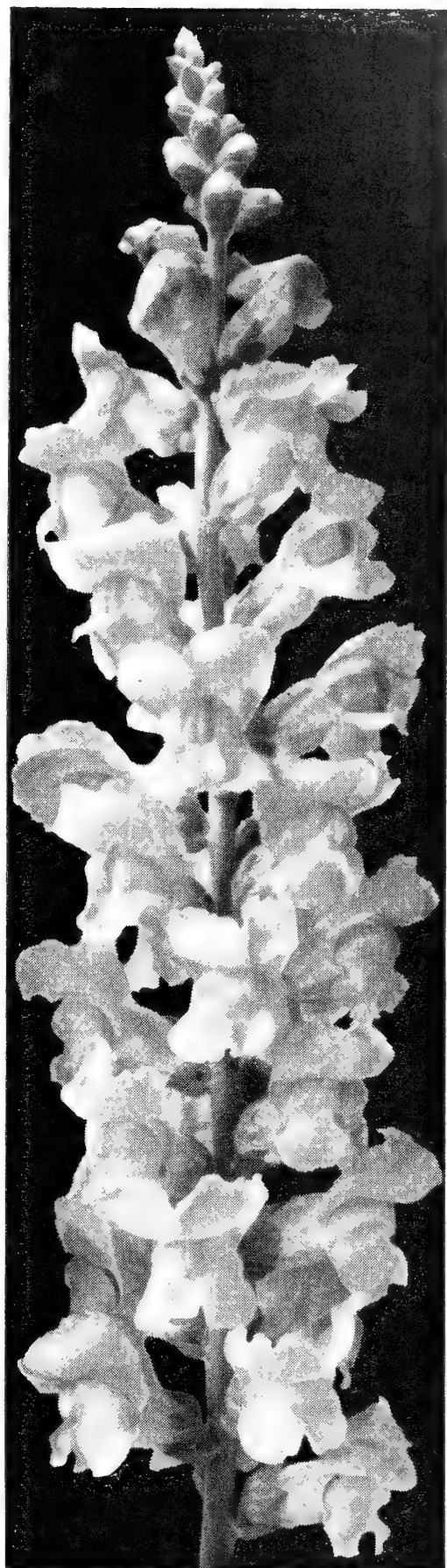
Brachycome (Swan River Daisy)

A free-flowering plant of dwarf, compact growth, bearing single blue or white flowers. Half-hardy annual. 1 ft.

250 Mixed Colors. Pkt., 10c; 1/8 oz., 25c.



Balsam



Rust-Proof Antirrhinum

Browallia

Free-blooming half-hardy annual. For beds, borders or pots. 1 1/2 ft.

251 Blue and White Mixed. Pkt., 10c.

Cactus

251A Rare Sorts Mixed. Pkt., 25c.

Asters You Can

Asters are one of the finest cut flowers and very useful in the garden. Available in many shapes and colors; early, midseason and late varieties.

32A Lilliput-Flowered

The flowers are tiny and button-like in form, coming in profuse clusters on medium length stems.
Pkt., 10c; 1/8 oz., 40c.

Improved Crego or Tail Ostrich Feather (WILT-RESISTANT)

Plants robust, branching, about 2 1/2 ft. Flowers large, double and well formed; one of the finest varieties for all purposes.

35A Finest Mixed. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Queen of the Market (WILT-RESISTANT)

A very early blooming strain, which, though plant is only 1 1/4 feet high, bears from 10 to 15 well-formed, medium-sized flowers on long stems. Much used by florists.

35B Ballet Queen. (New.) Deep salmon-rose.

36 Purple

40 Flesh-Pink

37 White

41 Crimson

38 Rose

42 Mixed Colors

39 Light Blue

Each, pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Early Beauty

(WILT-RESISTANT)

Plants 2 1/2 to 3 feet with long, heavy stems, bearing large, compact flowers. They bloom from late August until frost.

43 Azure Fairy. Azure-blue. 44A September Beauty. Shell-pink.

43A Crimson

45 White

44 Purple

45A Finest Mixed

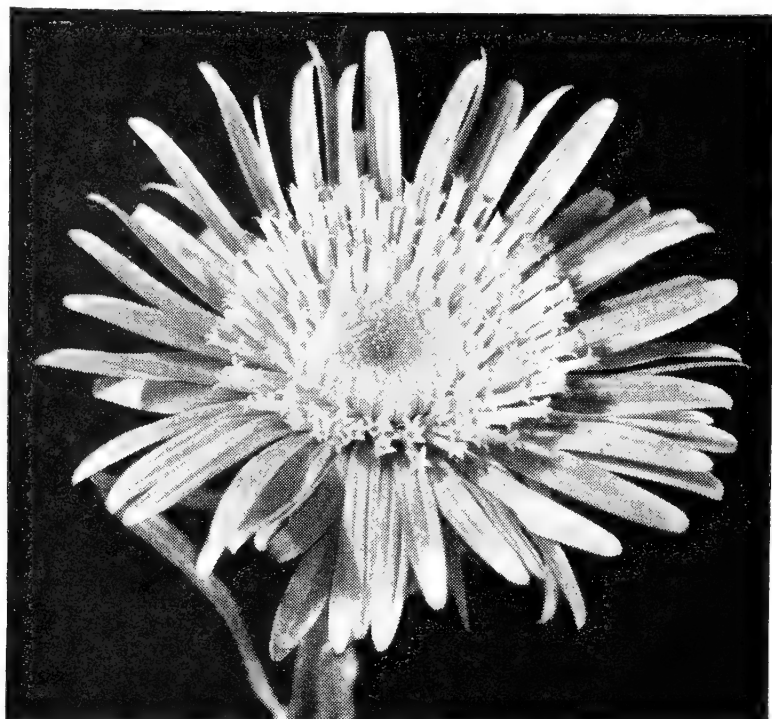
Pkt., 10c; 1/8 oz., 40c.

Single Chinensis

(WILT RESISTANT)

15 Rainbow Mixture.

Pkt., 10c; 1/8 oz., 40c.



California Sunshine Aster

16 Giant Aurora Golden Sheaf (WILT-RESISTANT)

The flowers are deep yellow, fully double, with a crestlike center.
Pkt., 10c; 1/8 oz., 40c.

California Sunshine

An attractive Anemone-flowered variety particularly fine for cutting. 2 1/2 feet.

24 Mixed Colors.

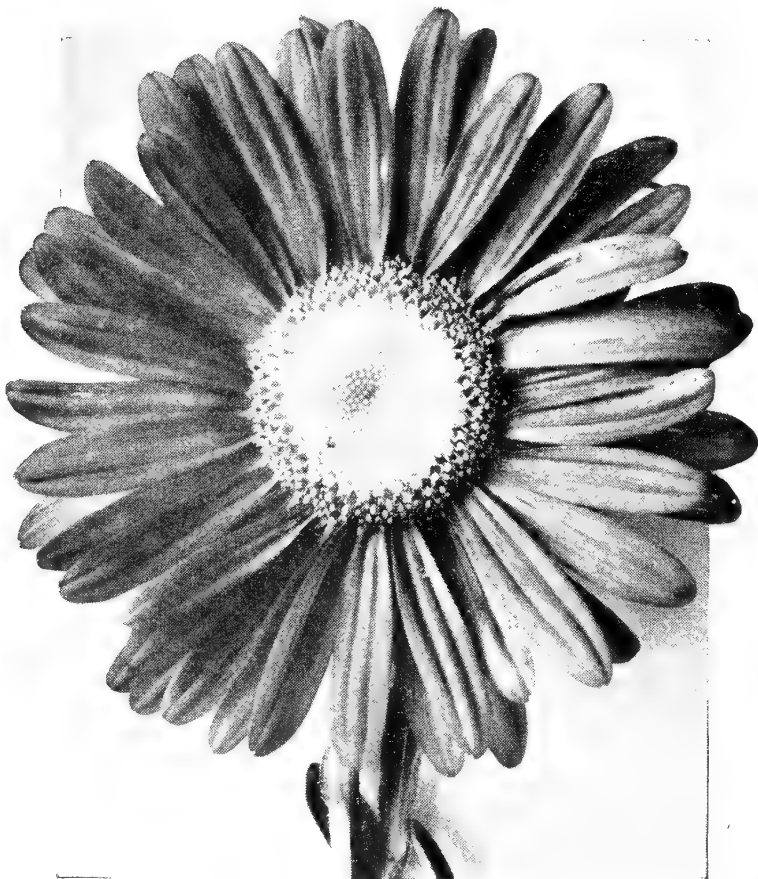
Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

32 Heart of France

(WILT-RESISTANT)

Rich dark red. Very double, of strong branching habit. 1 1/2 to 2 feet. Midseason.

Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.



Single Chinensis



California Giant Double

Grow Successfully

California Giant Double

A variety of Asters of the Improved Comet type, with strong stems. Petals curved and twisted. Plant grows 2 to 3 feet tall. Midseason.

- | | |
|---------------------|-----------------|
| 8 White. New; fine. | 11 Light Purple |
| 9 Peach Blossom | 12 Deep Rose |
| 10 Light Blue | 13 Dark Purple |
- Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 50c; 1/4 oz., 90c.
- 14 Mixture of above: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; 1/2 oz., \$1.40.

Early Royal

(WILT-RESISTANT)

Plants branching, 1 1/2 to 2 feet, blooming in mid-August directly following the Queen of the Markets.

- | | |
|------------------|-----------------|
| 46 Peach Blossom | 48 Lavender |
| 47 White | 48A Purple |
| 47A Deep Rose | 49 Mixed Colors |
- Pkt., 10c; 1/8 oz., 40c.

Super Giant

The flowers are from 5 to 6 inches across; full, graceful, interesting petals. Plants are about 2 1/2 feet tall, with 6 to 8 long non-lateral stems per plant.

- | | |
|---|--------------------------|
| 50 Los Angeles. Shell-pink. | Pkt., 10c; 1/8 oz., 40c. |
| 51 El Monte. Crimson. | Pkt., 10c; 1/8 oz., 40c. |
| 52 Santa Maria. (New.) Largest pure white Aster with long lacy petals curling from an interlacing powdery center. | Pkt., 15c; 1/8 oz., 75c. |

King or Needle Type

Branching, 2 1/2 ft.

- | | |
|-------------------------------------|--------------------------|
| 75 King Mixed | Pkt., 10c; 1/8 oz., 40c. |
| 76 Ostrich Feathered. Finest mixed. | Pkt., 10c; 1/8 oz., 40c. |

Princess

(WILT-RESISTANT)

Plants 2 to 2 1/2 ft. tall, branching and free flowering, early blooming, bearing quantities of 3- to 3 1/2-inch flowers on strong stems. Flowers have a full deep crested center, surrounded by several rows of dainty plumelike guard petals.

- | |
|---|
| 70 Barbara. Orchid. |
| 72 Linda. Rose. |
| 73 Marsha. Rich cinnabar-scarlet. Upright type. |
| 74 Finest Mixed |
- Pkt., 10c; 1/8 oz., 50c.

Giant Branching Comet

(WILT-RESISTANT)

Plants upright, 2 ft., non-branching, feathery, double flowers. Blooms middle of August.

- | | |
|--|--------------------------|
| 82 Mixed Colors. Many colors and shades. | Pkt., 10c; 1/8 oz., 40c. |
|--|--------------------------|

American Branching

(WILT-RESISTANT)

A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. Blooms in early September. 2 1/2 feet.

- | | |
|----------------|-------------------------|
| 108 White | 111 Sensation. Scarlet. |
| 109 Pink | 112 Purple |
| 110 Azure-Blue | 116 Mixed Colors |
- Each: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Early Giant

(WILT-RESISTANT)

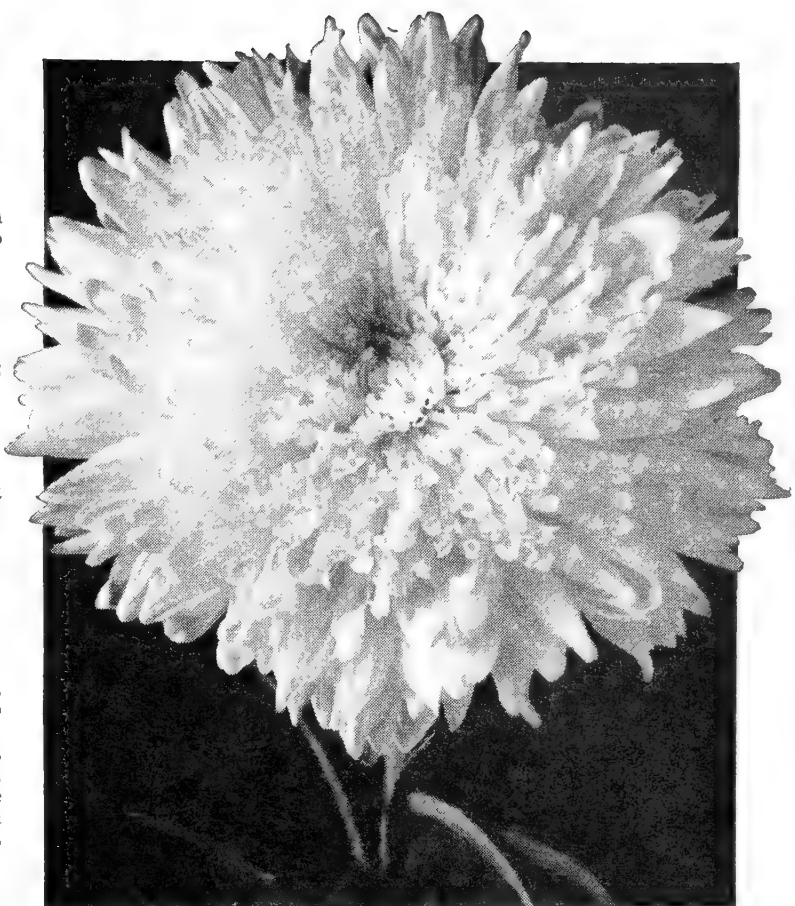
Flowers are of the largest Giants of California type. Plants are 1 1/2 feet high with strong heavy stems. Blooms in mid-August.

- | | |
|--|---------------------------|
| 118 Light Blue. A big, lacy light blue flower. | Pkt., 10c; 1/16 oz., 40c. |
| 119 Peach Blossom. Opens white, flushes lavender-pink. | Pkt., 10c; 1/16 oz., 40c. |
| 120 Rose Marie. Rich lively shade of rose. | Pkt., 10c; 1/16 oz., 40c. |

124 Worcester Mixture

Our own mixture of the leading choice varieties, includes every color and shade known among Asters.

Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; oz., \$2.00.

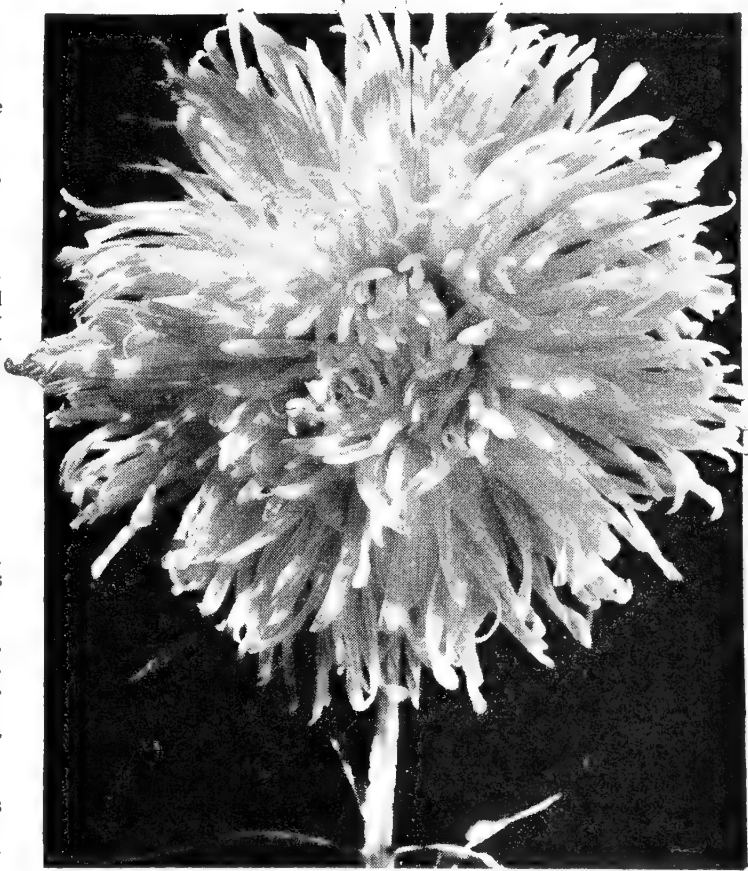


Giant Aurora Golden Sheaf

Peat Moss Breaks Heavy Soils and Holds Moisture

Use peat moss freely, it holds moisture, lightens the soil and assists the growth of most plants.

Standard bale (about 20 bushels), Market Price.



Super Giant, Los Angeles

NOTE: Please order by number as well as name.



Calendula, Yellow Colossal

Calendula

(Pot Marigold)

A very free-blooming hardy annual of easy culture. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more desirable for bedding. 1 to 1½ feet.

252 Campfire or Sensation. Improved strain. Dark orange with scarlet sheen. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

253 Chrysantha or Sunshine. Clear buttercup-yellow, petals incurved. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.

253A Yellow Colossal. Extra large, lemon-yellow flowers. Pkt., 10c; ¼ oz., 35c.

254 Ball's Gold. Deep golden yellow, dark center, very large flowers. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.

255 Ball's Masterpiece. Rich deep orange, dark center, long stems. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.

255A Ball's Orange Improved. Brilliant orange, light center, petals slightly notched. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.

256 Orange Shaggy. Deep orange, shading lighter at the center, petals deeply fringed. Pkt., 10c; ⅛ oz., 25c.

257 Orange King. Extra select. Large dark orange, dark center. Pkt., 10c; ½ oz., 35c; oz., 60c.

258 Lemon Queen. Clear lemon-yellow. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

259 Mixed Varieties. Pkt., 10c; ½ oz., 30c; oz., 50c.

259A Sunset Shades Mixed Pkt., 10c; ¼ oz., 30c.

Canterbury Bells

274A Finest Mixed. A new annual Canterbury Bell which blooms from seed in less than 6 months. Plants 2 to 2½ feet. Pkt., 10c; ⅛ oz., 25c.

Calliopsis

(Annual Coreopsis)

Showy Daisy-like flowers, ideal for cutting or for massing in a border.

260 Mixed Colors. 1½ to 2 feet. Pkt., 10c; ¼ oz., 30c; oz., 50c.

261 Golden Crown (Drummond). Semi-double. Improved rich yellow, maroon center. Pkt., 10c; ¼ oz., 25c.

262 Golden Wave (Drummond). Golden yellow with small dark center. 1½ feet. Pkt., 10c; ¼ oz., 25c.

263 Ray of Gold. Yellow with purplish brown center. 6 to 8 inches. Pkt., 10c; ¼ oz., 25c.

Canary Creeper

(Tropaeolum Canariense)

275. A rapid-growing, half-hardy annual climber, bearing curiously formed yellow flowers. Blooms until frost. 10 to 15 feet. Pkt., 10c; ¼ oz., 30c.

Candytuft

Popular hardy annual, growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 foot.

276 Rose Carmine. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

277 Dark Crimson (Dunnett's). Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

278 Empress. Large trusses; pure white. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.

279 Giant Hyacinth-Flowered. Heads of immense size, resembling the Hyacinth. White. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

280 Mixed Colors. Pkt., 10c; ¼ oz., 25c.

282 Dwarf Hybrids. Mixed colors. Of dwarf habit but flowers are large. Pkt., 10c.

283 Dwarf Empress. (Little Prince.) Large flowered pure white. Pkt., 10c.

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. Prices subject to change.



Candytuft, Giant Hyacinth-Flowered

Canna

The Crozy Cannas are well known for their dwarf growth and luxuriant foliage. The flowers are large and of most brilliant colors.

284 Crozy's Dwarf. Dark, large flowering varieties. Mixed. 3 to 4 feet. Pkt., 10c.

285 Giant Flowered New Hybrids. Mixed. Pkt., 10c.

CARDINAL CLIMBER. See Ipomoea, number 549.

CARDINAL FLOWER. See Lobelia, number 588, page 54.

Carnation

(*Dianthus Caryophyllus*)

287 Marguerite Giants. Double special mixture. Flower approaches in form, size, fragrance and beauty those grown by the florist.

Pkt., 10c; ½ oz., 40c.

Cineraria Hybrida Grandiflora

294 Cremer's Prize Mixture. The plants are of compact growth, carrying extra large flower heads with flowerets of unusual size and substance.

Pkt., 50c.

Castor Bean

(*Ricinus*)

Well-known tender annual, with palm-like leaves of glossy green, brown or bronze hue. 6 to 15 feet.

295 Borboniensis. Large, showy foliage of purplish hue. 15 feet.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

296 Cambodgensis. Stalks and stems nearly black; leaves large, of a deep bronze-maroon. 6 feet.

Pkt., 10c; ½ oz., 20c; oz., 35c.

297 Red Spire. Very showy.

Pkt., 10c; ½ oz., 20c; oz., 35c.

298 Zanzibariensis. With gigantic leaves, ranging in color from light green to deep bronze. 10 to 15 feet. Mixed varieties.

Pkt., 10c; ½ oz., 20c; oz., 35c.

299 Gibsoni. Large dark red leaves. 5 feet. Pkt., 10c; ½ oz., 20c; oz., 35c.

300 All Varieties Mixed.

Pkt., 10c; ½ oz., 15c; oz., 25c.

Cockscomb (*Celosia cristata*)

Free blooming annuals of easy culture, producing large, brilliant, comblike heads. Excellent for borders, edgings or pots.

305 Glasgow Prize. Crimson; dark foliage. 9 inches.

Pkt., 10c; ½ oz., 50c.

307 Mixed. Pkt., 10c; ½ oz., 25c.

309 Dwarf, Extra-Choice Mixed. Includes all the latest introductions and colors of the Cockscomb.

Pkt., 10c; ½ oz., 35c.

Lilliput or Dwarf Feathered Celosia

Dwarf, compact plants, consisting of 15 to 20 branches of even length, each tipped with brilliant silky plumes.

310 Fire Brand. Glowing scarlet.

Pkt., 10c; 1/16 oz., 40c.

311 Golden Yellow. Deep yellow.

Pkt., 10c; 1/16 oz., 40c.

312 Plumosa, Scarlet Plume.

Pkt., 10c; 1/16 oz., 40c.

Feathered Celosia

(*Celosia plumosa*)

Often used for winter bouquets, and for this purpose should be cut before fully ripe and dried in the house.

313 Thompsoni Magnifica. Large plumes, ranging from clear yellow to darkest red.

Pkt., 10c; ½ oz., 35c.

314 Choice Mixed.

Pkt., 10c; ¼ oz., 35c.



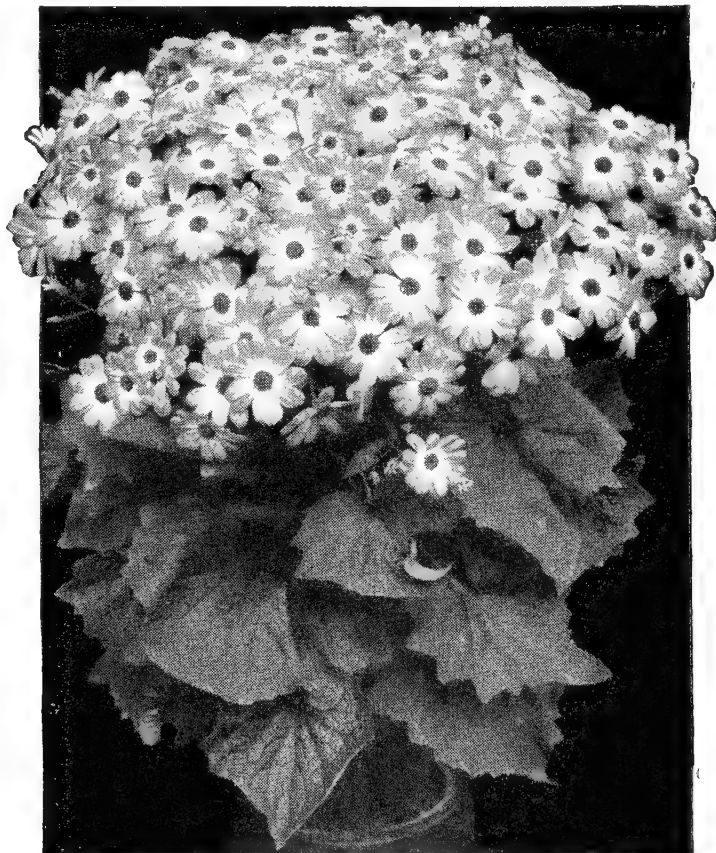
Castor Bean

Chinese Woolflower

(*Celosia Childsi*)

Large globular heads like balls of wool chenille. The plants, 2 to 3 feet in height, branch freely, each branch terminating with a flower-head. Blooms from early summer to frost.

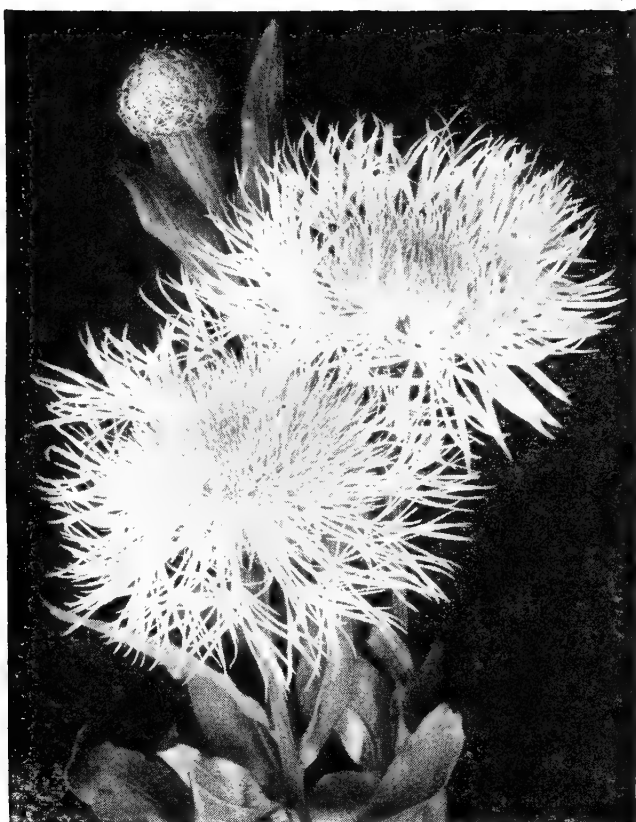
329C Mixed Colors. Pkt., 10c; ½ oz., 35c.



Cineraria



Dwarf Feathered Celosia



Centaurea, Americana Lilac

Centaurea

To this family belong the well-known annuals, Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

315 Americana Lilac (Basket Flower). The plant grows 3 feet tall and bears immense thistle-like blooms of rosy lavender color. **Pkt., 10c; ¼ oz., 25c.**

316 Americana Alba (Star Thistle). 3 feet. Large heads of double fluffy blooms, almost pure white. **Pkt., 10c; ¼ oz., 25c.**

316A Jubilee Gem. Dwarf compact plants, about 12 inches high, literally covered with dark but very vivid double blue flowers. **Pkt., 10c; ½ oz., 25c; ¼ oz., 40c.**

Cyanus

317 Double Black Boy. Blackish maroon. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

318 Double Blue Boy. Rich deep blue. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

318A Double Pinkie. Deep pink. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

319 Double Red Boy. Deep red. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

319A Double Snow Man. Pure white. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

320 Cyanus Double Mixed. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

Centaurea

(Sweet Sultan)

321 Moschata (Common Sweet Sultan). Mixed colors. **Pkt., 10c; ¼ oz., 35c.**

322 Suaveolens (Yellow Sweet Sultan). **Pkt., 10c.**

Imperialis

(Royal Sweet Sultan)

Improved type of Sweet Sultan. Both plants and flowers are larger than the common.

323 Deep Lavender. **Pkt., 10c; ½ oz., 30c.**
324 White. **Pkt., 10c; ½ oz., 30c.**
325 Mixed Colors. **Pkt., 10c; ½ oz., 25c.**

White-Leaved Centaureas

(Dusty Miller)

Half-hardy perennials which are grown annually from their seed for their foliage only. Used with other foliage and flowering bedding plants.

326 Candidissima. Yellow, silvery foliage. 1 foot. **Pkt., 10c; ⅛ oz., 60c.**

327 Gymnocarpa. Lavender, silvery white foliage; of graceful, drooping habit. 1½ ft. **Pkt., 10c; ¼ oz., 30c.**

Chrysanthemum

Free-flowering plants of branching habit, grow freely from seed, and are of easy culture, very desirable for cutting. Hardy annual. 1 to 1½ feet.

330 Single (Painted Daisies). Mixed colors. Lively bright colors. **Pkt., 10c; ¼ oz., 20c; oz., 60c.**

331 Helios, Evening Star. Covered with bright golden yellow single flowers. **Pkt., 10c; ⅛ oz., 20c.**

333 Northern Star. White, with yellow ring, dark eye. **Pkt., 10c; ¼ oz., 20c.**

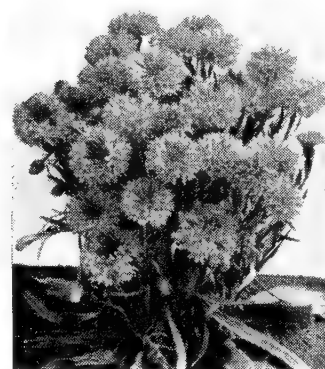
Clarkia

Beautiful hardy annual of easy culture. Blossoms are borne in profusion on long graceful sprays. Fine for cutting. 2 feet.

338 Elegans Double Mixed. **Pkt., 10c; ⅛ oz., 35c.**

Cleome—"Giant Spider Plant"

343 Pink Queen. A showy garden annual producing curious heads of flowers of clear soft pink color with long antenna-like stamens. 4 to 5 feet. **Pkt., 10c; ⅛ oz., 40c.**



Centaurea, Jubilee Gem

Cobaea Scandens or Cathedral Bells

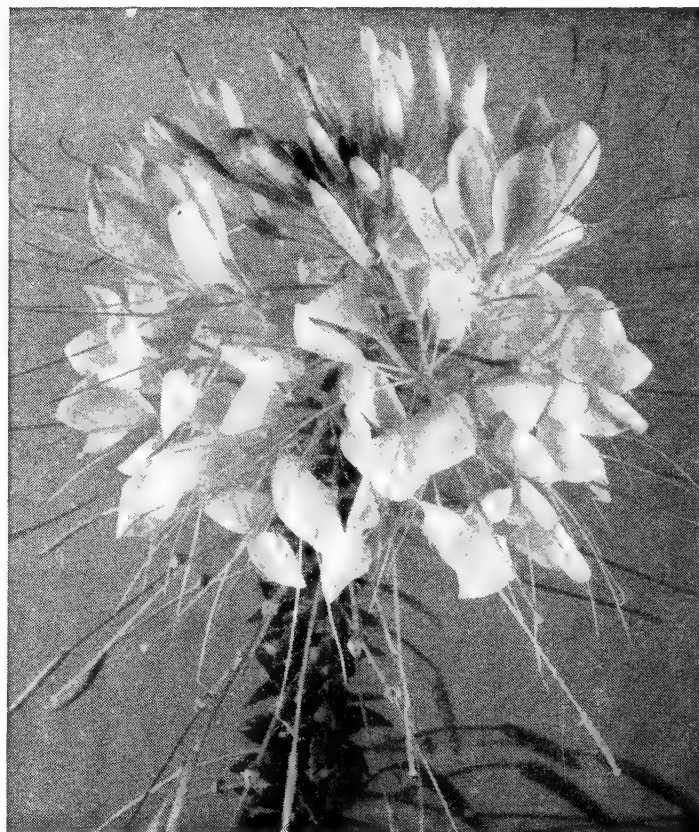
345. Rapid growing climbers with large purple bell-shaped flowers. 20 to 30 feet.

Pkt., 10c; ⅛ oz., 30c.

Coix Lachryma

(Job's Tears)

347. An ornamental grass growing from 7 to 9 feet high. Large, broad leaves bearing large shiny seed. **Pkt., 10c; ½ oz., 25c.**



Cleome, Pink Queen

Coleus

Ornamental foliage plants, easily grown from seed.

350 Hybridus, Small-Leaved. Fine mixed. From a large collection; of greatly diverse shades and markings.

Pkt., 10c; 1/16 oz., 75c.

351 Hybridus, Extra Large-Leaved Varieties Rainbow Mixture. Saved from new varieties with very large and richly variegated foliage.

Pkt., 10c; 1/16 oz., 75c.

Collinsia

A free flowering hardy annual with lovely blooms arranged in whorls on slender stems. Blooms from June to October. 1 foot.

353 Mixed Colors.

Pkt., 10c; 1/4 oz., 25c.

Convolvulus Minor (*Dwarf Morning Glory*)

356 Dwarf Royal Ensign. A 6-inch tall, compact, ultramarine blue with golden throat.

Pkt., 10c; 1/4 oz., 50c.

Burbank's Rainbow Corn

357. Annual, grows about 5 feet high. The foliage is striped with rose, purple, green and cream color.

Pkt., 10c; oz., 25c.

Giant Flowering Cosmos

Cosmos are among the finest annuals for table decoration. They are invaluable in the mixed border and for their long period of flowering.

359 Klondyke, Orange Flare. Early flowering, deep orange.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

359A Klondyke Semi-Double Orange Ruffles. Vivid rich orange, butterfly-like double blooms.

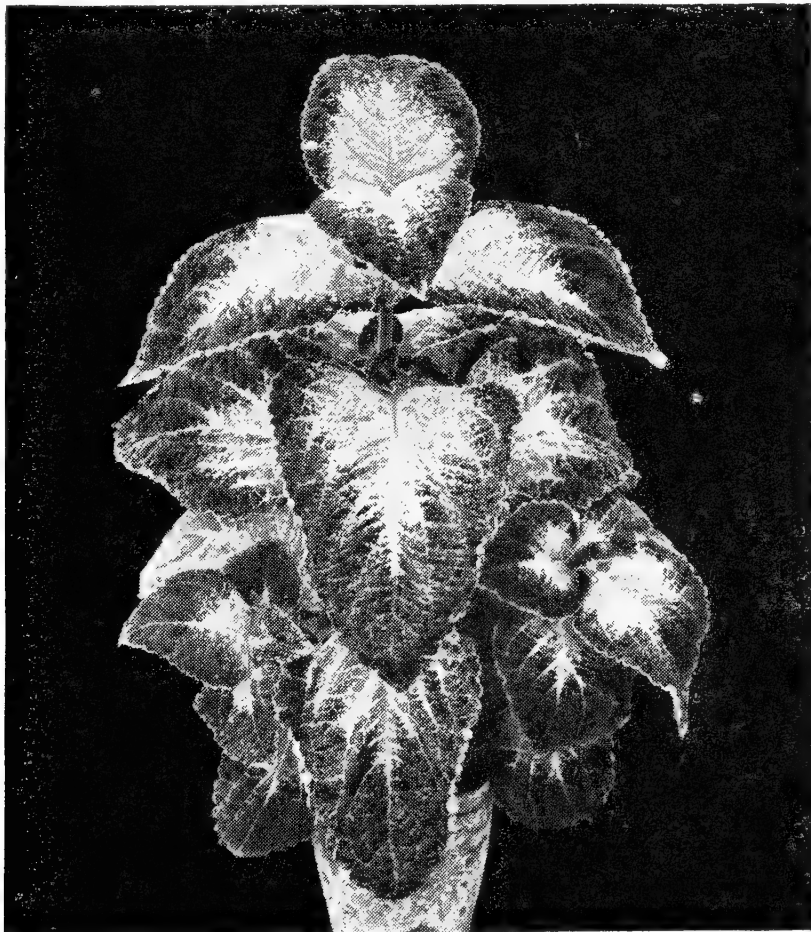
Pkt., 10c; 1/4 oz., 30c.

362 Large Early Flowering. The flowers are large and bloom early. Crimson, Rose and White mixed.

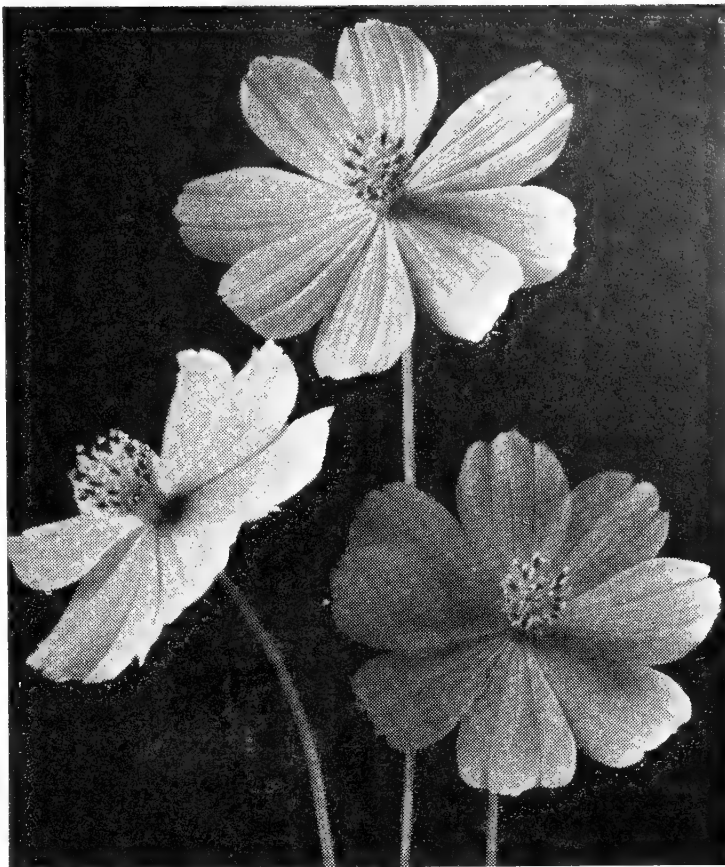
Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

362A Crimson **362B Pink** **362C White**

Each, pkt., 10c; 1/4 oz., 30c.



Coleus



Orange Flare Cosmos

SENSATION TYPE

The Sensation type of Cosmos grows 4 to 5 inches in diameter with broad fluted petals. Blooms 8 to 10 weeks after sowing. 3 to 4 feet.

363 Dazzler. Dazzling crimson.

Pkt., 10c; 1/4 oz., 35c.

363A Sensation Radiance. Deep rose petals, overlaid with large, well-defined zone of rich crimson.

Pkt., 15c; 1/8 oz., 55c; 1/4 oz., \$1.00.

364 Sensation, Pinkie. Clear rose-pink.

Pkt., 10c; 1/4 oz., 35c.

364A Sensation, Purity. Pure white.

Pkt., 10c; 1/4 oz., 35c.

364B Sensation Finest Mixed.

Pkt., 10c; 1/4 oz., 25c.

Extra Early Double Crested Cosmos

The new annual crested type Cosmos is a distinct type, having double center, with a row of guard petals around the base.

365 Crimson King. Dark crimson.

365A Pink Beauty. Soft pink.

365B White Queen. Pure white.

365C White, Pink and Crimson mixed.

Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; 1/2 oz., \$1.40; oz., \$2.50.

Cuphea

367 Firefly (Firecracker Plant). Semi-dwarf compact annual with a spread of about 12 inches. The miniature bushes are covered with deep rosy scarlet blooms.

Pkt., 10c.

Ross' Giant Cyclamen

Charming house plants, with beautiful foliage and rich colored fragrant flowers.

369 Giant-Flowered Extra Choice Mixed.

Pkt., 50c.

Cynoglossum

 (*Chinese Forget-Me-Not*)

369A Amabile. Early flowering annual producing large sprays of rich blue flowers; excellent for cutting. 24 inches.

Pkt., 10c; 1/4 oz., 25c.

369B Firmament. Dwarf, bright, indigo-blue. 15 inches.

Pkt., 10c; 1/8 oz., 25c.

Cypress Vine

A popular climbing vine, with fernlike foliage, bearing small, star-shaped, rose, scarlet, or white flowers. Half-hardy annual. 10 to 12 feet.

370 Mixed Colors.

Pkt., 10c; 1/4 oz., 60c.



Giant Imperial Delphiniums

Annual African Daisy

376 African Golden (*Dimorphotheca aurantiaca*). Beautiful showy annuals about 1 foot tall with gorgeous Daisy-like blooms during summer and fall. Flowers are excellent for cutting.

Pkt., 10c; 1/8 oz., 40c.

379 Selected Hybrids Mixed.

Pkt., 10c; 1/8 oz., 35c.

Datura

(*Trumpet Flower*)

Strong growing, ornamental annual shrubs. Flowers trumpet-shaped, large and fragrant.

383 Finest Mixed.

Pkt., 10c.

Didiscus

420 Coeruleus (*Blue Lace Flower*). An attractive annual, blooming from July until frost. The flowers are pale lavender and are valuable for cutting.

Pkt., 10c; 1/8 oz., 25c.

Dolichos

(*Hyacinth Bean*)

A rapid growing hardy annual climber, bearing all summer clusters of white or purplish blue flowers, followed by ornamental seed pods. 10 feet.

433 Tall Mixed Colors. White and purple.

Pkt., 10c; 1/4 oz., 20c.

Dracaena

(*Dragon Plant*)

434 Indivisa. Beautiful ornamental leaved plants; long, narrow, green foliage; indispensable for vases and house decoration.

Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c.

Delphinium

(*Larkspur*)

Showy, hardy annuals bearing long spikes of lovely colored flowers. 3 to 4 feet.

385 Dwarf Double Hyacinth-Flowered, Choice Mixed.

Pkt., 10c; 1/8 oz., 25c.

TALL DOUBLE STOCK FLOWERED

387 Carmine

389 Light Blue

388 Dark Blue

390 White

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.

391 Tall Double Stock Flowered. Mixed colors. A superior strain. 4 feet.

Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

391A Giant Imperial Lilac King. Rich lilac, fully double, closely spaced florets.

Pkt., 10c; 1/8 oz., 25c.

392 Giant Imperial, Carmine King. (New.) Deep carmine-rose. **Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.**

392A Giant Imperial, Miss California. Rich, deep pink on salmon ground. 4 ft.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.

392B Giant Imperial, Blue Bell.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

392C Giant Imperial, Blue Spire. Very deep violet-blue.

Pkt., 10c; 1/8 oz., 25c.

392D Giant Imperial Finest Mixed.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Dianthus

(*Pinks*)

Hardy biennials, blooming the first year from seed. Plant 6 inches apart. Height 1 foot.

398 Double China (*D. chinensis* fl.-pl.). Small, double flowers, borne in large clusters of many colors, mostly with white edge.

Pkt., 10c; 1/4 oz., 35c.

399 Heddewigi Double (*D. Heddewigi* fl.-pl.). Japan Pinks. Very large, double flowers of a wide range of color.

Pkt., 10c; 1/4 oz., 35c.

400 Single Mixed. Large single flowers, varied colorings.

Pkt., 10c; 1/4 oz., 35c.

406 Laciniatus Double Mixed Colors.

Pkt., 10c; 1/4 oz., 40c.

408 Laciniatus fl.-pl., Snowball. Double pure white.

Pkt., 10c; 1/8 oz., 40c.

415 Worcester Mixed. All the above and other choice strains. Unsurpassed.

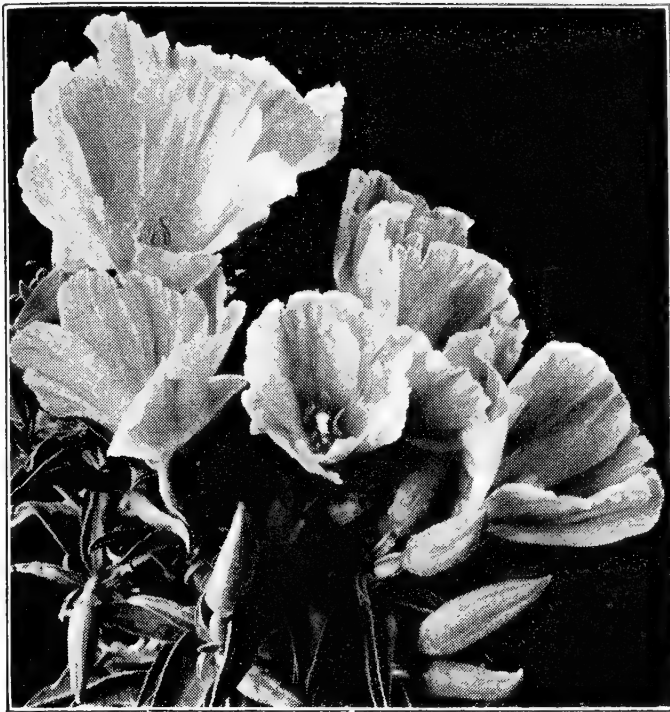
Pkt., 10c; 1/4 oz., 30c; oz., \$1.00.

419 Sweet Wivelsfield. The growth is like Sweet William but the flowers are large and have a much wider range of colors

Pkt., 10c; 1/8 oz., 40c.



Dianthus, Sweet Wivelsfield



Godetia, Satin Flower

Eschscholtzia *(California Poppy)*

A very showy hardy annual, with finely cut, glaucous foliage, bearing Poppy-like flowers of bright colors. Of easy culture. Sow as early as soil can be worked, where plants are to remain, as they do not bear transplanting well. 1 foot.

439 **Californica**. Orange. Pkt., 10c; ½ oz., 35c.

442 **Mixed Colors**. Pkt., 10c; ½ oz., 25c; oz., 40c.

443 **Ramona Hybrids**. Finest mixed. A new compact strain with flowers beautifully frilled and incurved, a bright mixture.

Pkt., 10c; ½ oz., 35c; ¼ oz., 60c.

Euphorbia

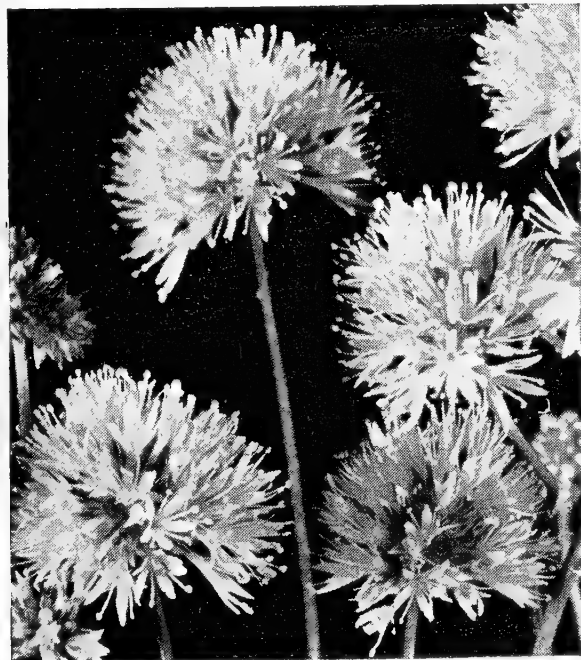
Ornamental foliage plant; easily grown from seed. Striking and effective appearance. Hardy annual.

452 **Variegata** (Snow-on-the-Mountain). Foliage veined and margined with white. 2 feet.

Pkt., 10c; ¼ oz., 25c.

453 **Heterophylla** (Fire-on-the-Mountain). A variety of Poinsettia which grows to a height of 2½ to 3 feet. About the middle of summer the top central leaves turn rich orange-scarlet.

Pkt., 10c; ¼ oz., 35c.



Gilia

Four O'Clock

(Marvel of Peru)

A well-known favorite plant, bearing freely white, red and striped flowers, which open about four o'clock in the afternoon. 2 feet.

465 **Mixed Colors**.

Pkt., 10c; ½ oz., 20c; oz., 35c.

FOXGLOVE. See Digitalis, page 52.

Gaillardia

(Blanket Flower)

ANNUAL VARIETIES

Very showy, free-blooming, hardy plants of easy culture. Seed germinate very slowly and should be sown in the house in March. Fine for cutting. 2 feet.

470 **Picta**. Single; mixed colors.

Pkt., 10c.

471 **Picta**. Double; mixed colors.

Pkt., 10c; ½ oz., 35c.

Geranium

Well known, half-hardy, greenhouse perennials. When sown in the fall or early winter will produce flowers in June, while sown in March, plants will not bloom until September, and sown in the open ground in May or June, plants will bloom in midwinter.

485 **Zonale** (Fish or Horseshoe Geranium). Saved from largest and finest varieties.

Pkt., 15c.

Gerbera

(Transvaal Daisy)

485A **Giant Hybrids Mixed**.

Pkt., 25c.

Gilia

Bushy plants, of erect habit with fine feathery foliage. May be used as everlasting, retaining their color when dried; fine for cutting.

487A **Capitata** (Thimble Flower). 2 feet. Rich lavender-blue flowers, 1 inch across.

Pkt., 10c; ¼ oz., 25c.

Gomphrena

(Globe Amaranth)

488 **Mixed Colors**. A tender annual plant, bearing globe-shaped everlasting flowers, often used, when dried, in winter bouquets. 1½ feet.

Pkt., 10c; ¼ oz., 35c.

Gloxinia

Beautiful Greenhouse Perennial

Large bell-shaped flowers borne in clusters above velvety foliage.

489 **Giant-Flowered Finest Mixed**. A mixture of all classes unrivaled in richness of color.

Pkt., 25c.

Godetia or Satin Flower *(Annual)*

Showy garden annuals, they are of compact growth, about 1 foot high, bearing flowers 3 to 4 inches across.

490 **Tall Double Mixed Colors**. Includes all varieties and the latest introductions.

Pkt., 10c; ¼ oz., 35c.



Eschscholtzia (California Poppy)

Gourds Are Popular

Ornamental, tender climbers. 10 to 20 feet.

493 **Large Calabash**. Pipe or Pequin Gourd.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

494 **Large Siphon or Dipper**. Duck Gourd.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

495 **Small Bottle**. (Miniature.)

Pkt., 10c; ¼ oz., 25c.

496 **Turk's Cap or Turban**. Ornamental, brightly colored.

Pkt., 10c; ¼ oz., 25c.

498 **Large Varieties Mixed**.

Pkt., 10c; ½ oz., 25c.

500 **Mixed Varieties**. Small sorts.

Pkt., 10c; ½ oz., 25c.

Gypsophila

(Baby's Breath)

Flowers very small, borne in loose, graceful panicles. Very largely used in bouquets with other cut flowers.

501 **Elegans Deep Rose**. H.A.

Pkt., 10c; ½ oz., 35c.

505 **Elegans Grandiflora Alba**. Covent Garden Improved. Greatly improved strain, unusually large white flowers of fine substance. Excellent florist stock.

Pkt., 10c; ½ oz., 25c; oz., 40c.

Grevillea

507 **Robusta** (Silk Oak). The graceful evergreen, fernlike foliage combines admirably with palms and other massive-leaved plants. Excellent for table decorations.

Pkt., 10c

Helichrysum

(*Strawflower; Everlasting*)

One of the best everlasting flowers and an effective bedding plant. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual. 2 feet.

515 Double Mixed Colors (H. monstrosum fl.-pl.). Largest double flowers. Fkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 40c.

Heliotrope

A well-known favorite largely grown in pots, but thriving in the open border.

518 Mixed Colors. Dark varieties mixed. Fkt., 10c; $\frac{1}{8}$ oz., 40c.

519 Large-Flowering. Mixed colors. Heads of flowers nearly double the size of the old sorts. Fkt., 10c; $\frac{1}{8}$ oz., 40c.

Hollyhock

533 Indian Spring. (New Annual.) Blooms in less than five months after seed is sown and blooms continuously until frost. Bright rose and rosy carmine. Semi-double. 4 to 5 feet.

Fkt., 10c; $\frac{1}{8}$ oz., 35c.

534 Semi-Double, Annual Finest Mixed. A new strain, blooming the first season from seed.

Fkt., 10c; $\frac{1}{8}$ oz., 25c.

Humulus

(*Hop*)

Rapid-growing climbers with attractive foliage. The Japanese variety is a hardy annual, the best for quickly covering unsightly objects.

537 Japonicus (Japanese Hop).

Fkt., 10c; $\frac{1}{4}$ oz., 25c.

538 Japonicus, Variegated Foliage.

Fkt., 10c; $\frac{1}{4}$ oz., 30c.

Ice Plant

(*Mesembryanthemum*)

546 Crystallinum. A trailing plant, with succulent stems and leaves. Excellent for hanging baskets and rock-work. Tender annual. 9 inches.

Fkt., 10c; $\frac{1}{8}$ oz., 25c.



Helichrysum (Strawflower)

Hunnemannia

540 Fumariaefolia (Giant Tall Poppy or Bush Eschscholtzia). A yellow Poppy, pleasing both in the border and as a cut flower.

Fkt., 10c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c.

541 Sunlite. Gorgeous semi-double, clear canary-yellow blooms, with extra band of petals outside. Foliage is a light gray-green.

Fkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

Ipomoea

(*Morning Glory*)

Rapid-growing climbers of easiest culture; bloom earlier and more profusely on rather poor soils, but of higher growth and more attractive foliage when grown on rich soil. Tender annuals. 15 to 30 feet.

547 Crimson Rambler. Deep crimson, free flowering, rapid grower.

Fkt., 10c; $\frac{1}{4}$ oz., 25c.

548 Pearly Gates. Large lustrous white flowers blending to cream in the throat, making a heavy cascade of flowers on fence, trellis, or garden wall. Fkt., 15c; $\frac{1}{4}$ oz., 35c.

549 Cardinal Climber (Ipomoea quamoclit hybrida). Leaves are dark green, fernlike and deeply lacinated; bears a great profusion of fiery, cardinal-red flowers.

Fkt., 10c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c.

550 Bona Nox (Evening Glory). Beautiful, large, violet-blue flowers which open at night. Rapid growth.

Fkt., 10c.

552 Rose Marie. Double early flowering, clear deep rose.

Fkt., 10c.

553 Heavenly Blue. Clark's Earliest. (Rubra coerulea). Deep sky-blue flowers, 4 to 5 inches across. Early flowering.

Fkt., 10c; $\frac{1}{4}$ oz., 25c.

554 Scarlett O'Hara. Rich dark wine-red, freely produced on fast growing vines, which start blooming within 65 days after seed is sown.

Fkt., 10c; $\frac{1}{4}$ oz., 35c.



Morning Glory, Scarlett O'Hara

Jerusalem Cherry

(*Solanum*)

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage. Popular for greenhouse or house decoration.

555 Solanum Capsicastrum. Covered with scarlet fruit during the winter. $1\frac{1}{2}$ feet.

Fkt., 10c; $\frac{1}{8}$ oz., 40c.

Kochia

556 Childsii (Summer Cypress). A very quick-growing annual. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before it dies. $2\frac{1}{2}$ feet.

Fkt., 10c; $\frac{1}{4}$ oz., 20c.

Lantana

562 Hybrida Finest Mixed. Shrubby, with many clusters of dainty flowers in yellow, orange, red, and pink. 18 inches. All summer. Fine for potting.

Fkt., 10c; $\frac{1}{8}$ oz., 35c.

Lavatera Trimestris

Beautiful and effective hardy annual, covered during the entire summer with pretty and showy blossoms.

576 Rose-Pink

577 White

Fkt., 10c; $\frac{1}{8}$ oz., 25c.

Linum

(*Crimson Flax*)

580 Grandiflorum Rubrum. The rich crimson flowers last only a day, but are borne continuously until frost. 15 to 18 inches.

Fkt., 10c; $\frac{1}{4}$ oz., 25c.

Lobelia

Pretty little plants of easy culture, blooming profusely from June until frost. The dwarf varieties are useful for bedding and edging, the trailing variety is excellent for hanging baskets, vases and rock work. Half-hardy annuals.

585 Crystal Palace Compacta. Rich blue flowers, dark foliage.

Fkt., 10c; $\frac{1}{8}$ oz., 50c.

586 Mrs. Clibran. Extra dwarf. Dark blue, large white eye.

Fkt., 10c; $\frac{1}{16}$ oz., 40c.

587 Hybrida Pendula, Sapphire. Dark blue with white eye. Trailing.

Fkt., 10c; $\frac{1}{8}$ oz., 50c.

Lunaria

(*Honesty*)

589 Biennis. Hardy biennial, but grown as annuals, admired for their silvery, papery seed pods, which are used for house ornaments. 3 feet.

Fkt., 10c; $\frac{1}{4}$ oz., 25c.

Lupin

590 Annual Varieties, Mixed. Easily grown plants. Long, graceful spikes of pea-shaped flowers of various colors. 2 feet.

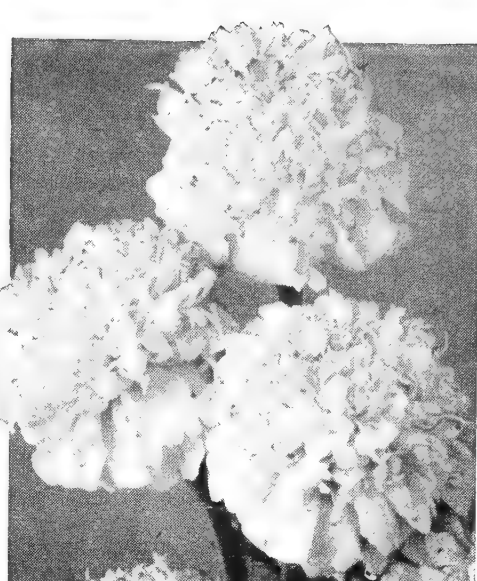
Fkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c.



Harmony



Guinea Gold



Dwarf Double Butterball

Marigolds

Favorite annual plant, blooming the entire summer; easily cultivated. The African varieties bear large yellow or orange flowers and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Hardy annual, 1 to 3 feet.

596 Dwarf Gigantic (Gypsy Jewels). Sweet scented flowers 4 to 4½ inches in diameter on 12- to 15-inch plants. A wide range of brilliant shades. **Pkt., 10c; ½ oz., 30c.**

597 Dwarf Double Butterball. (Harmony Type.) Soft butter-yellow; crested centers, tubular petals, each carrying a touch of maroon at the tip. **Pkt., 10c; ½ oz., 25c.**

598 Mission Giant Goldsmith. Rich golden orange flowers 4 to 5 inches in diameter. Height 18 inches. **Pkt., 10c; ½ oz., 30c.**

599 Scarlet Glow. (Dwarf Double French.) Deep scarlet flowers turning to rich tangerine. Height 10 inches. **Pkt., 10c; ½ oz., 35c.**

600 Yellow Supreme. 2 to 2½ feet. Tall, bearing loosely ruffled creamy lemon-yellow Carnation-flowered blossoms. **Pkt., 10c; ½ oz., 25c.**

600A Guinea Gold. Brilliant orange with double, ruffled, loose-leaf petals. 2 to 2½ feet high, producing flowers 2 to 2½ inches across. **Pkt., 10c; ½ oz., 25c; ¼ oz., 45c; ½ oz., 80c.**

601 Lemon "All Double." **Pkt., 10c; ½ oz., 35c.**

601A Orange "All Double." **Pkt., 10c; ½ oz., 35c.**

602 Gigantea, Sunset Giants. A remarkable new sweet scented, robust growing, extremely large flowered type; ideal for show purposes, florists, and garden decoration. **Pkt., 10c; ½ oz., 35c.**

603 African Double Mixed. All shades of the African type. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

604 Firefly. Large flowered (4 to 5 in.) with deeply laciniated incurved petals. Deep, glowing orange. Plants average 26 in. high, with flowers standing well above foliage. **Pkt., 15c; ½ oz., 60c.**

605 Harmony. Double Dwarf French. Dwarf compact plants, flowers golden yellow bordered maroon-red, scabious-shaped. **Pkt., 10c; ½ oz., 25c.**

606 French Dwarf Double, Royal Scot. Uniformly dwarf, compact plants, fully double, rich mahogany-red and gold striped flowers. **Pkt., 10c; ½ oz., 25c.**

607 French Double Mixed. Shades of yellow and brown. 2 feet. **Pkt., 10c; ¼ oz., 20c.**

608 Lilliput Yellow Pygmy. Very dwarf bright yellow. **Pkt., 10c; ½ oz., 40c.**

609 French Harmony Type, Spry. Extra dwarf double. Yellow bordered mahogany. **Pkt., 10c; ½ oz., 35c.**

609A French Dwarf Single, Legion of Honor. Yellow blotched brown. **Pkt., 10c; ½ oz., 25c.**

609B Harmony Hybrids, Dwarf Double. Wide and varied range of striking color combinations, 1¾-inch flowers with crested center and flanking guard petals; early. **Pkt., 10c; ½ oz., 25c.**

609C Flash. French Dwarf Single Tangerine and Marigold Red. Early. Flowers grow 1¾ inches and more across. The plant is 18 inches tall. **Pkt., 10c; ½ oz., 40c.**

SCOTCH MARIGOLD. See Tagetes, page 48.

Matricaria

(Feverfew)

611 Capensis Alba Plenissima. Double white, 24 inches. Very decorative in beds or borders, fine for cutting. Perennial, but may be treated as annuals. **Pkt., 10c; ½ oz., 35c.**

612 Golden Ball. Dwarf double. Compact bushes 10 inches high covered with tiny Chrysanthemum-like golden yellow flowers. **Pkt., 10c; ½ oz., 50c.**

Mignonette

(Reseda Odorata)

A well-known and popular hardy annual, prized for its delightful fragrance. Seeds sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until frost.

614 Bismarck. Large red flowers, very fragrant. 1 ft. **Pkt., 10c; ½ oz., 25c.**

615 Odorata Grandiflora. Improved, large-flowered, Sweet Mignonette. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

618 Golden Goliath. Deep golden yellow. **Pkt., 10c; ¼ oz., 25c.**

619 Machet Improved. Large thick spikes of reddish cast, of dwarf habit, dark foliage; best for pots. **Pkt., 10c; ¼ oz., 25c.**

620 Machet White Pearl. Best white. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

621 New York Market. Long-stemmed reddish spikes. **Pkt., 10c; ½ oz., 30c.**

625 Mixed Varieties. The above and other varieties. **Pkt., 10c; ¼ oz., 20c; oz., 60c.**

MORNING GLORY, DWARF. See Convolvulus minor.

Matthiola Bicornis

(Night-Scented Stock)

610. A hardy annual with rosy lavender flowers, giving forth a delightful fragrance—especially toward evening. 1 foot. **Pkt., 10c; ¼ oz., 20c.**

Moonflower

(Ipomoea)

635 Grandiflora Alba (Ipomoea noctiflora). Rapid-growing variety reaching height of 30 feet. Large white flowers open in evening and on cloudy days. **Pkt., 10c; ½ oz., 30c.**

635B Giant Pink Moonflower. Color, soft lilac-pink. Vines are of rapid growth with large leaves. Blooms very profusely. **Pkt., 10c; ½ oz., 35c.**

MUSK PLANT. See Mimulus.

MOURNING BRIDE. See Scabiosa.

Morning Glory

(Convolvulus Major)

A well-known vine of easiest culture. Hardy annual. 10 feet.

636 Mixed Colors. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

637 Imperialis Mixed Morning Glory. Larger than the common type, the range of colorings much greater. 8 feet. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

IPOMOEA. See page 40.

Nemesia

Long blooming annual with large flowers, varying from creamy white to deep orange and carmine. Most useful for bedding. 1½ feet.

756 Strumosa Suttoni. **Pkt., 10c.**

Nemophila

(Baby Blue Eyes)

An attractive hardy annual, bearing cup-shaped flowers about an inch in diameter usually in shades of blue and white, often spotted with brown.

757 Insignis Blue. **Pkt., 10c; ¼ oz., 25c.**



Ross' Colorful Nasturtiums

No other annual plant combines in so great degree ease of culture, profusion of bloom and grace and beauty of flowers, as the Nasturtium.

Semi-Dwarf Nasturtium Double Sweet Scented

708 Gleam Hybrids. The Hybrids are a collection of gorgeously colored large, well-formed flowers of dazzling beauty. Pkt., 10c; oz., 25c.

709 Scarlet Gleam. The flowers are a fiery orange-scarlet. The individual blooms are of immense size, almost 3 inches across, much larger than any Nasturtium ever known. Pkt., 10c; oz., 25c.

710 Golden Gleam. Large golden flowers average 2½ to 3 inches across. They are borne on erect, stiff stems 6 inches long. The flowers stand well above the foliage. Pkt., 10c; oz., 25c.

711 Moon Gleam. Light golden cream. Pkt., 10c; oz., 30c.

712 Orange Gleam. Golden orange. Pkt., 10c; oz., 30c.

714 Salmon Gleam. Golden salmon. Pkt., 10c; oz., 30c.

Tall Nasturtiums

(*Tropaeolum majus*)

672 Choice Mixed. Many varieties; a wide range of colors. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

673 Special Mixture. Including dark-leaved varieties. Pkt., 10c; ½ oz., 20c; oz., 30c.

Worcester Tall Mixed

705 Worcester Mixed Tall Nasturtiums. Our own mixture of many varieties; comprises selections from all classes, including the New Variegated-Leaved or Queen, and choice mixtures from different growers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

Dwarf Semi-Double Nasturtium Sweet Scented

716 Golden Globe. Golden yellow. Pkt., 10c; oz., 30c.

718 Mahogany Gem. Deep mahogany. Pkt., 10c; oz., 30c.

722 Ruby Gem. Bright ruby-red. Pkt., 10c; oz., 30c.

726 Scarlet Globe. Scarlet. Pkt., 10c; oz., 30c.

728 Dwarf Double Gem Mixture. Sweet Scented. Dwarf compact gemlike plants, excellent color range. Pkt., 10c; oz., 30c.

Dwarf, or Tom Thumb Nasturtium

The dwarf Nasturtium is not surpassed by any other annual plant for bedding, being of the easiest culture, thriving in nearly all soils and blooms profusely.

742 Finest Mixed. Dark leaved varieties. Pkt., 10c; ½ oz., 20c; oz., 30c.

744 Dwarf Double Art Shades. All pastel. Pkt., 10c; oz., 30c.

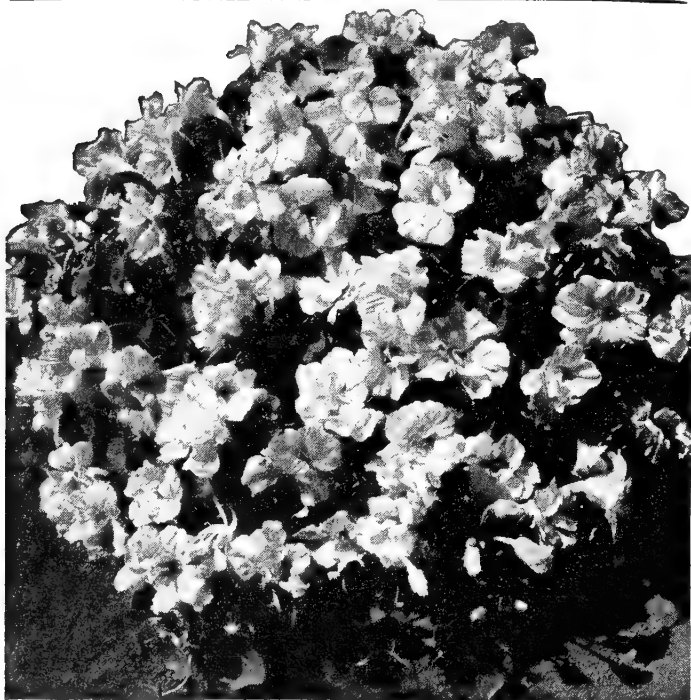
746 Choice Mixed. While not equal to the Worcester Mixed is of wide range of colors and will give pleasing results. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

Worcester Mixed Dwarf Nasturtium

747. Like the Worcester Tall Mixed, this is of our own preparation and cannot be surpassed in diversity of colors and types; includes all the named varieties of classes here described and other choice mixtures of noted growers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

749 Variegated Leaved or Queen of Tom Thumbs, Mixed. Shades, light primrose, deep scarlet, crimson and deep orange more or less veined or spotted with other colors. Pkt., 10c; oz., 30c.



Dwarf Golden Nasturtiums



PETUNIAS *Bloom All Summer*

An attractive and favorite hardy annual. Used for window boxes, beds or borders. They will grow in almost any kind of soil, even the poorest, blooming profusely from early summer until frost.

811A Blue Bee. Deep blue.
Pkt., 10c; 1/8 oz., 50c.

812 Celestial Rose. Deep rose, compact.
Pkt., 10c; 1/8 oz., 60c.

813 Radiance. Cerise rose.
Pkt., 10c; 1/8 oz., 50c.

814 Finest Mixed. A superior mixture.
Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

814A Silver Blue. Reselected rich light blue.
Pkt., 10c; 1/8 oz., 50c.

815 Nana Compacta. Dwarf compact choice mixture. Pkt., 10c; 1/8 oz., 60c.

815A Grandiflora Single Fringed, Theodosia. Largest fringed rose, gold throat.
Pkt., 25c.

815B English Violet. Rich purple-violet.
Pkt., 10c; 1/8 oz., 60c.

816 Howard's Star. Rich shade of maroon, with five-pointed star of white. Very pretty. Pkt., 10c; 1/8 oz., 50c.

816A Grandiflora Single Fringed, Dainty Lady. Delicate yellow. Pkt., 25c.

816B Little Giants Mixed. Ruffled Nana Compacta. Medium sized ruffled flowers, plants ball shaped. 12 inches. Pkt., 25c.

817 Fancy Blotched and Striped, Mixed Colors. Beautiful marked flowers, carried well above the foliage, of extra dwarf, compact habit.
Pkt., 10c; 1/8 oz., 50c.

817A Rose of Heaven. Brilliant rose, dwarf.
Pkt., 10c; 1/8 oz., 60c.

818 Rosy Morn. Extra select. A single flower, soft carmine-pink. A profuse bloomer.
Pkt., 10c; 1/8 oz., 60c; 1/4 oz., \$1.00.

818A Large Flowering Single Fringed, White Beauty. Pkt., 25c.

819 Setting Sun. Dwarf rose, very free-flowering. Pkt., 25c.

820 Dwarf Elk's Pride. Largest and darkest velvety purple. Pkt., 25c.

820A Flaming Velvet. Deep velvety blood-red, about 15 inches in height and the flowers are large and borne in great profusion.
Pkt., 10c; 1/8 oz., 60c.

820B Fluffy Ruffles. A mixture of light shades, veined and bicolor combinations. All flowers are finely fringed and so heavily ruffled that they appear double. Pkt., 25c.

820C Snow Queen. Large flowers, white.
Pkt., 10c; 1/8 oz., 50c.

820D Topaz Rose. A fiery velvety rose slightly suffused with gold. The throat is the color of topaz.
Pkt., 10c; 1/8 oz., 60c.

821 Miniature Mixed.
Pkt., 10c; 1/16 oz., 40c.

823 Super Dwarf Giants of California, Dark and Light Shades Mixed. A new strain of Dwarf Giants bred expressly for pot plant work. Pkt., 50c.

824 Dwarf Giants of California. A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed.
Pkt., 25c; 1/16 oz., \$4.00.

825 Double, Large-Flowered, Choice Mixed. An excellent mixture comprising a large variety of colors, with a good percentage of double flowers.
Pkt., 50c.

826 Balcony, Deep Blue. Dwarf type for porch or window boxes.
Pkt., 10c; 1/16 oz., 40c.

827 Balcony Rose.
Pkt., 10c; 1/16 oz., 40c.

828 Balcony White.
Pkt., 10c; 1/16 oz., 40c.

829 Balcony, Star of California. Deep velvety violet, shaded crimson, with white star.
Pkt., 10c; 1/16 oz., 40c.

829A Balcony Mixed Colors.
Pkt., 10c; 1/16 oz., 35c.

All Double Petunias

Acknowledged by countless testimonials to be 100 per cent double. Flowers frequently exceed 5 inches in diameter and are exquisitely ruffled and fringed in a vast range of brilliant intermediate colors.

822 Victorious Dwarf Mixed.
Cannot supply.



Petunia, Elk's Pride

Nicotiana

(*Flowering Tobacco*)

Handsome, effective, half hardy annuals, blooming profusely the entire season and thriving in all soils.

758 Affinis. White, starlike flowers, deliciously fragrant, expand fully in the evening. 2 to 3 feet.

Pkt., 10c; 1/8 oz., 35c.

759 Sanderae, Crimson King. Remarkably profuse in bloom. Unlike the Affinis, is in full bloom during the day. 3 to 3 1/2 feet.

Pkt., 10c; 1/8 oz., 25c.

760 Sanderae Hybrids. New hybrids, comprising several distinct colors or shades.

Pkt., 10c; 1/8 oz., 25c.

Nierembergia

(*Dwarf Cup Flower*)

760B Hippomanica. Lavender-blue flowers on dwarf compact plants, 4 to 6 inches high with a spread of 8 to 10 inches. Half-hardy perennial which will winter over if given some protection.

Pkt., 25c.

Nigella (*Love-in-a-Mist; Lady-in-Green; Devil-in-a-Bush*)

The blue or white flowers are half hidden in the abundant finely cut foliage, hence its common names. 1 to 1 1/2 feet.

761 Double Mixed.

Pkt., 10c; 1/4 oz., 35c.

Phlox Drummondii

Phlox is one of the easiest and most satisfactory of all the summer-flowering annuals, even in poor or stony soil. Sow seed early in spring in a sunny location.

830 Mixed Colors.

Pkt., 10c; 1/8 oz., 60c.

831 Large Flowering. Extra choice. Mixed colors. Our own mixture of the choicest and best strains from different growers.

Pkt., 10c; 1/8 oz., 60c.

833 Isabellina. Pure yellow.

Pkt., 10c; 1/8 oz., 60c.

841 Dwarf (P. Drummondii nana compacta). 6 to 8 inches high. Mixed colors.

Pkt., 10c; 1/8 oz., 75c.

842 Gigantea, Art Shades. A giant-flowered strain in soft pastel shades with large white eye. 8 to 10 inches high.

Pkt., 10c; 1/8 oz., 75c.

842A Gigantea, Salmon Glory. Pure salmon-pink with creamy white eye.

Pkt., 10c; 1/8 oz., 75c.

843 Star or Fringed (P. Drummondii cuspidata). Mixed colors.

Pkt., 10c; 1/8 oz., 60c.

Poppy

Well-known hardy plants of quick growth, blooming profusely for a considerable time.

SINGLE ANNUAL POPPIES

862 Tulip Poppy (Glaucum). Large tulip-shaped flowers, deep scarlet.

Pkt., 10c; 1/4 oz., 25c.

870 Shirley. Single mixed. A lovely strain, delicate and rich shades.

Pkt., 10c; 1/4 oz., 20c.

871 Single Shirley, American Legion. Brilliant scarlet, white maltese cross.

Pkt., 10c; 1/4 oz., 25c.

DOUBLE ANNUAL POPPIES

878 Carnation-Flowered. Mixed. Fine, large, fringed flowers of many colors.

Pkt., 10c; 1/4 oz., 25c.

880 Double Begonia-Flowered, Dazzler. Orange-scarlet.

Pkt., 10c; 1/4 oz., 25c.

884 Double Shirley, Sweet Briar. Deep rose-pink.

Pkt., 10c; 1/4 oz., 30c.

885 Shirley. Double mixed.

Pkt., 10c; 1/4 oz., 25c.

886 Dwarf Double Carnation-Flowered White Swan. (Fringed.) Pure white.

Pkt., 10c.

888 Worcester Mixed. Our own mixture of single and double annual varieties. All types and colors.

Pkt., 10c; 1/4 oz., 25c; oz., 75c.

CALIFORNIA POPPY. See *Eschscholtzia*.

Primula

PRIMULA CHINENSIS
(*Chinese Primrose*)

(*Primrose*)

A beautiful winter-blossom greenhouse perennial blooming from December to spring.

900 Choicest Mixed. Comprises the finest fringed varieties.

Pkt., 25c.

902 Malacoides. Lilac.

Pkt., 25c.

Portulaca

Well-known tender annuals, blooming profusely all summer. Thrive in most soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather.

894 Double Choice Mixed. Usually from 50 to 60% of the flowers will come double.

Pkt., 10c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1/2 oz., \$2.25; oz., \$4.00.

895 Single Jewel. Deep carmine, extremely large.

Pkt., 10c; 1/8 oz., 75c.

899 Single Mixed.

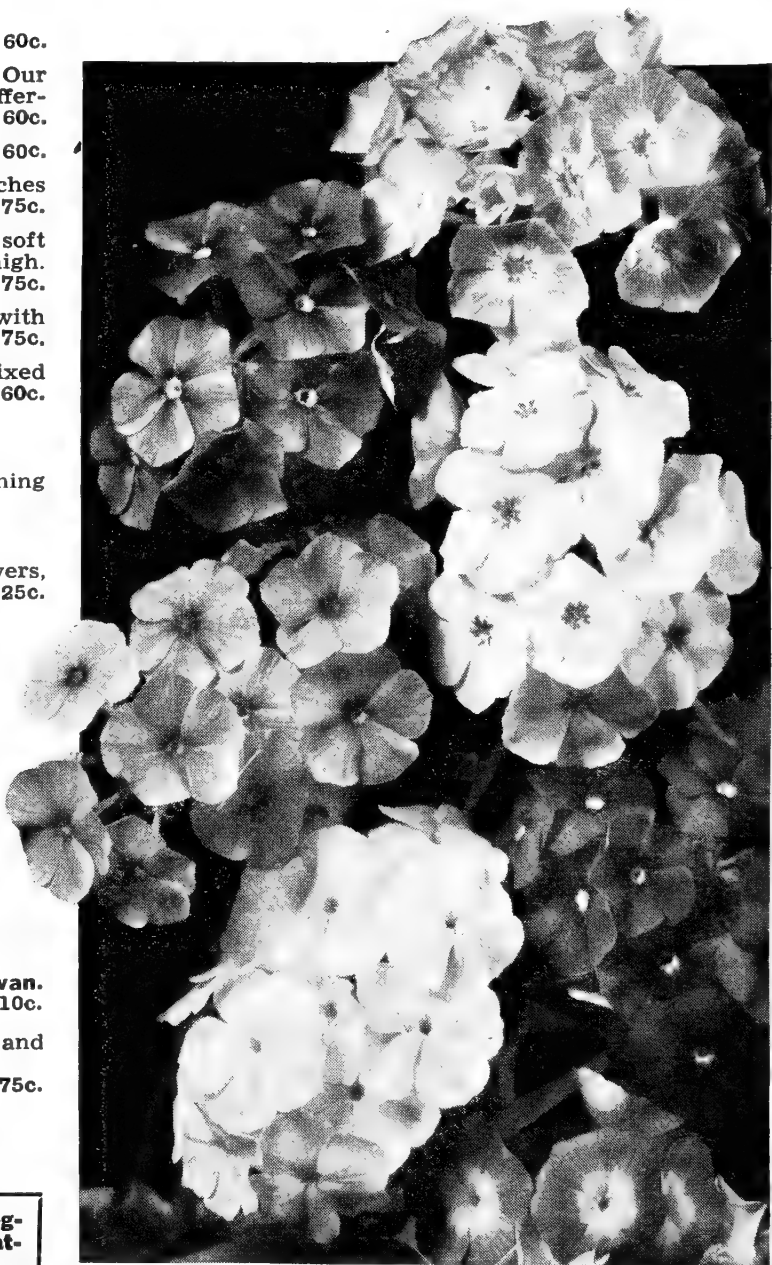
Pkt., 10c; 1/4 oz., 75c.

Rhodanthe

One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade they will retain their color for years.

920 Mixed Colors. All shades of pink, rose, crimson and white.

Pkt., 10c.



Phlox Drummondii

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. Prices subject to change.

Rudbeckia

(Coneflower)

To this family belong the favorite plants Golden Glow and Black-Eyed Susan.

923 **Hirta Hybrids.** Dark bronze to yellow. Pkt., 10c.

924 **My Joy.** Giant Black-Eyed Susan. Large orange-yellow flowers, dark cone. Pkt., 10c; 1/8 oz., 35c.

Salpiglossis

(Velvet Flower; Painted Tongue)

Graceful, half-hardy annual, blooming from August to October. Seed may be sown in the house the last of March or in the open ground in May. Two feet.

928 **Grandiflora.** Choicest mixed. Extra large flowered strain. Pkt., 10c; 1/8 oz., 30c.

929 **Emperor.** Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold. Pkt., 10c; 1/8 oz., 30c.

Salvia

(Scarlet Sage)

A mass of bloom from late summer until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors, or in hotbed and the plants set out when the weather has become warm.

934 **America, or Globe of Fire.** Semi-dwarf, rounded. Scarlet flowers. 16 inches. Pkt., 10c; 1/8 oz., \$1.00.

935 **Splendens Grandiflora.** The well-known Scarlet Sage. 2 feet. Pkt., 10c; 1/8 oz., 75c.

936 **Bonfire** (Clara Bedman). Compact, bushy growth. Blooms earlier and more profusely. Intense scarlet. 2 feet. Pkt., 10c; 1/8 oz., 75c.

937 **Farinacea, Blue Bedder.** Compact deep blue. 3 feet. Pkt., 10c; 1/8 oz., 75c.

938 **Zurich.** Dwarf, compact, brilliant scarlet flowers blooming in July. 12 inches. Pkt., 10c; 1/8 oz., 75c.

Sanvitalia

940. Double; fine for bedding, borders or rockeries. The flowers are bright yellow. Pkt., 10c; 1/8 oz., 25c.

Scabiosa

(Mourning Bride)

The flowers are large and double, with a great variety of colors. Of easy culture and blooms freely from July until hard frost. Hardy annual. 2 1/2 feet.

941 **Imperial Giants, Blue Moon.** Extremely large, well-formed flowers with fully double, broad frilly petals, rounded beehive shape. Pkt., 10c; 1/4 oz., 40c.

941A **Heavenly Blue.** About 18 inches tall, free-flowering, with fully double 1 1/2-inch flowers. Very early, azure-blue, distinct. Pkt., 10c.

942 **King of the Blacks.** Large flowered, tall double, red-dish black. Pkt., 10c; 1/4 oz., 35c.

943 **Rosette.** Large-flowered, tall, double. Deep rose, heavily suffused with salmon. Pkt., 10c; 1/4 oz., 35c.

944 **Shasta.** Large flowered, tall double. Pure white, very large. Pkt., 10c; 1/4 oz., 35c.

945 **Large-Flowered.** Mixed colors. Fine, large double flowers in a wide range of colors. Pkt., 10c; 1/4 oz., 25c.

SCARLET RUNNER. See Beans—Ornamental Varieties.

Schizanthus

(Butterfly, or Fringe Flower)

Showy half-hardy annuals, very decorative for garden beds and unsurpassed in pots for the conservatory.

948 **Grandiflorus Hybrids.** Very fine varieties. Pkt., 10c; 1/8 oz., 60c.

949 **Wisetonensis.** Containing the most beautiful shades of white, pink, rose and crimson. Excellent for pot culture. Pkt., 10c; 1/8 oz., 50c.

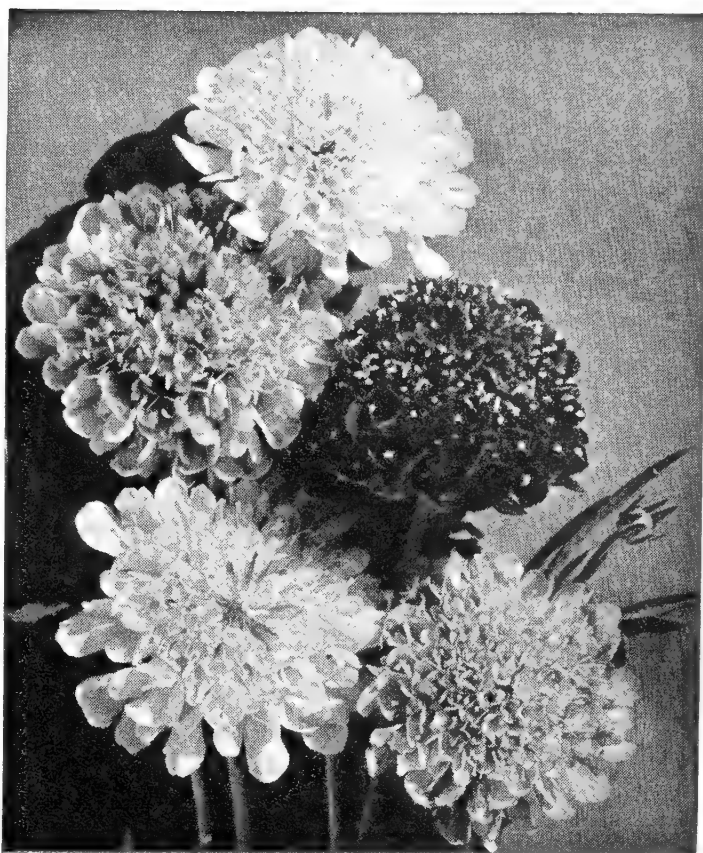
Sensitive Plant

(Mimosa Pudica)

950 **Pudica.** Globular heads of small pink flowers. Tender annual. 1 1/2 feet. Pkt., 10c.

SNAPDRAGON. See Antirrhinum.

SOLANUM CAPSICASTRUM. See Jerusalem Cherry.



Large Flowered Scabiosa, Mixed Colors

Smilax

955. A climbing plant, unsurpassed for its graceful foliage and orange blossom fragrance of its flowers.

Pkt., 10c; 1/8 oz., 35c.

Statice

Beautiful everlasting with spreading panicles of tube-like flowers that are decorative either in the garden or when cut.

956 **Suworowi Pink.** Pkt., 10c; 1/8 oz., 30c.

956A **Sinuata Blue.** Pkt., 10c; 1/4 oz., 25c.

956B **Sinuata Yellow** (Bonduelli) Pkt., 10c; 1/4 oz., 25c.

956C **Sinuata White.** Pkt., 10c; 1/4 oz., 25c.

956D **Sinuata, Choice Mixed.** Pkt., 10c; 1/4 oz., 25c.

Sweet William

1310 **Annual Finest Mixed.** Pkt., 10c; 1/8 oz., 25c.

Stock

(Gilliflower)

One of the most popular annuals, remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers.

957 **Beauty of Nice.** Mammoth flowering. Delicate flesh-pink, extra large spike. Pkt., 10c; 1/8 oz., 50c.

958 **Mont Blanc.** Purest white. Pkt., 10c; 1/16 oz., 25c.

959 **Monte Carlo.** Canary-yellow. Pkt., 10c; 1/16 oz., 25c.

961 **Summer Night.** Rich deep blue. Pkt., 10c; 1/16 oz., 25c.

Perpetual Branching (Giant Perfection)

(Cut-and-Come-Again)

A perpetual blooming class of branching habit; double fragrant flowers. 2 feet.

967 **Choicest Mixed.** Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c.

971 **Large-Flowered Double Ten Weeks Mixed.** Seeds grown in the open ground instead of in pots, therefore cheaper. A good range of colors. 1 1/2 feet. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

972 **Double Early Giant Imperial Mixed.** (Imp. Bismarck.) Pkt., 10c; 1/8 oz., 40c.

DOUBLE GIANT COLUMN

Immense fully double close-spaced flowers, one 2-ft. to 2 1/2-ft. spike per plant. This is a strictly non-branching strain.

972A **Mixed Colors.** Pkt., 25c.

Exquisite Sweet Peas of Unequaled Beauty and Fragrance

Spring Flowering Cuthbertson Sweet Peas

A new type of Sweet Peas characterized by its excellent heat resistance. Comes into bloom midway between Early and Late Spencers, and continues much longer, even in hot weather. Flowers are plainer than the Spencer type, but large and with good stems.

Frank G. Clear lavender.

Janet. White, black seeded.

Lois. Clear rose-pink.

Tommy. Clear marine-blue.

Finest Mixed

Each of the above: Pkt., 10c; ½ oz., 25c; oz., 40c.

LEADING SPENCER VARIETIES

All uniform price except where noted.

Pkt., 10c; ½ oz., 20c; oz., 35c;
¼ lb., \$1.00, postpaid.

Multi-Color Shades

Station Master. Salmon-pink, flushed rosy cerise.

Sunkist. Cream with picotee edge of rose.

Youth. White, edged rose-pink.

Blue Shades

The Admiral. Dark violet-blue.

Capri. Clear silver-blue, long stems, vigorous grower.

Flagship. Deep navy-blue.

Cream and Primrose Shades

Ruffled Primrose.

Mary Pickford. Dainty cream-pink-salmon.

What Joy. Deep rich cream.

Salmon and Orange Shades

Debutante. Salmon shaded coral.

Prince of Orange. Deep rich orange.

Gold Crest. Orange, overlaid with a salmon sheen.

Crimson-Scarlet Shades

Crimson King. Rich, deep crimson.

Mollie. Cerise, with touch of orange.

Red Boy. Pure rich crimson, long stems, vigorous.

Rubicund. Dazzling crimson-scarlet, extra long stems.

Ruffled Crimson. Rich velvety crimson.

Lavender and Purple Shades

Ambition. Rosy lavender, extra long stems.

Austin Frederick Improved. A large rosy lavender.

Highlander. Large-flowered clear lavender.

Royal Purple. A rich purple.

Maroon and Chocolate Shades

Loch Lomond. Mahogany.

Warrior. Deep chocolate-maroon.

Pink Shades

Bonnie Briar. Large, rose-pink.

Fluffy Ruffles. Light cream-pink.

Miss California. Salmon-pink.

Pinkie. Large, rose-pink.

Floradale. Rich salmon-pink on cream ground.

Melody. Golden salmon-pink on cream ground.

White Shades

Gigantic. Large pure white. Long stemmed.

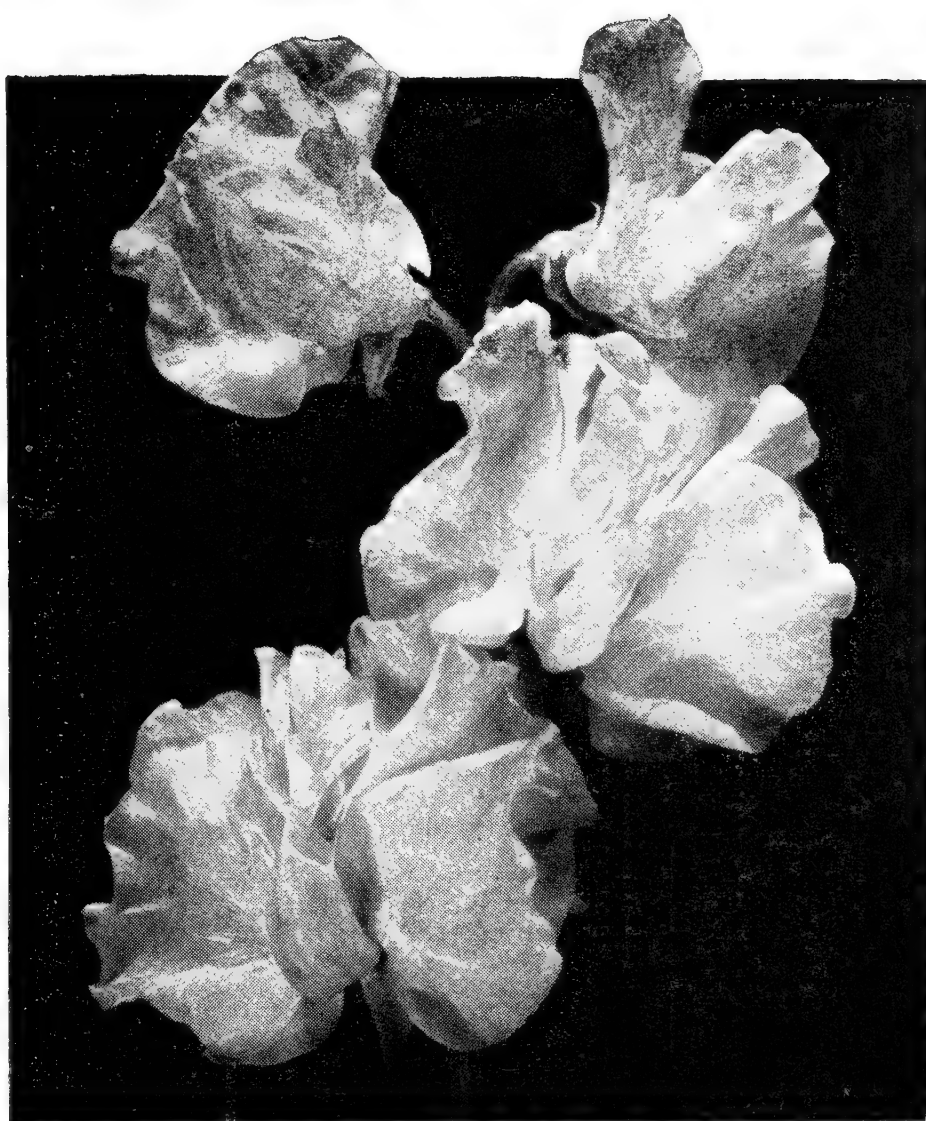
Bridal Veil. Pure white, black seeded.

King White. Large pure white. White seeded.

Snow White. A solid paper-white throwing immense flowers.



Spencer Sweet Peas, Prince of Orange



Shirley Temple

Early Flowering SWEET PEAS

American Beauty. Rich crimson-rose on white ground.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Ball's Orange. Rich orange.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Ball's Rose Imp. Rich deep rose, suffused with salmon-pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Boy Blue. Large dark blue.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Bridesmaid. Deep silvery pink on white ground. Pkt., 10c; ½ oz., 30c; oz., 50c.

Coquette. Coral-pink shaded amber and salmon.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Giant Rose. Extremely large rose-pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Harmony. Beautiful clear lavender.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Helen Hayes. Golden scarlet. Flowers large and frilled.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Jeanne Mamitsch. Bright rich pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Laddie Imp. Giant rose-pink, long stemmed.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Memory. Clear rosy lavender, large wavy flowers.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Mrs. Herbert Hoover. Clear deep blue. "California Blue."

Pkt., 10c; ½ oz., 30c; oz., 50c.

Shirley Temple. Large, soft pink, frilled. Long stems.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Snow Queen. (New.) Pure white, black seeded, opens and retains pure white color.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Snowstorm Imp. Large pure white seeded.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Vulcan. The most vivid scarlet. Sun-proof. Pkt., 10c; ½ oz., 30c; oz., 50c.

Mixed Colors

Pkt., 10c; ½ oz., 25c; oz., 40c.

No. 1295

Rainbow Assortment of Our Best Mixed Sweet Peas

SPENCER VARIETIES

The varieties consist of Giant and Orchid-Flowered, both Spencer Unwin types and many other unnamed Spencers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

No. 1296

Blue Ribbon Assortment of Choice Mixed Spencer Sweet Peas

Containing the new Orchid-Flowering and Eckford's Large-Flowering Hybrids in great variety with other older types of known popularity.

Pkt., 10c; oz., 25c; ¼ lb., 75c.



Sunflower

(*Helianthus*)

The Sunflower grows well in all soils if fully exposed to the sun. The taller varieties make excellent background to other plants.

975 Cucumerifolius. (Miniature Sunflower.) Small single flower, rich yellow. 4 feet. Pkt., 10c; ½ oz., 35c.

976 Sun Gold. (Globe shaped.) Flower large, double, of a brilliant golden yellow. Pkt., 10c; ½ oz., 35c.

977 Tall Red Sunflower. The new Red Sunflower is easily grown from seed the same as all of the *Helianthus* family.

Pkt., 10c; ½ oz., 30c.

980 Excelsior Hybrids. Bronze, brown, and red shades, zoned. 5 ft. Pkt., 10c; ¼ oz., 25c

984 Double Chrysanthemum-Flowered. Flowers larger than the preceding: full and double. Orange-yellow. 5 feet.

Pkt., 10c; ½ oz., 35c.

986 Russian Mammoth. Very large. 7 to 9 feet. Oz. pkt., 10c.

Tagetes

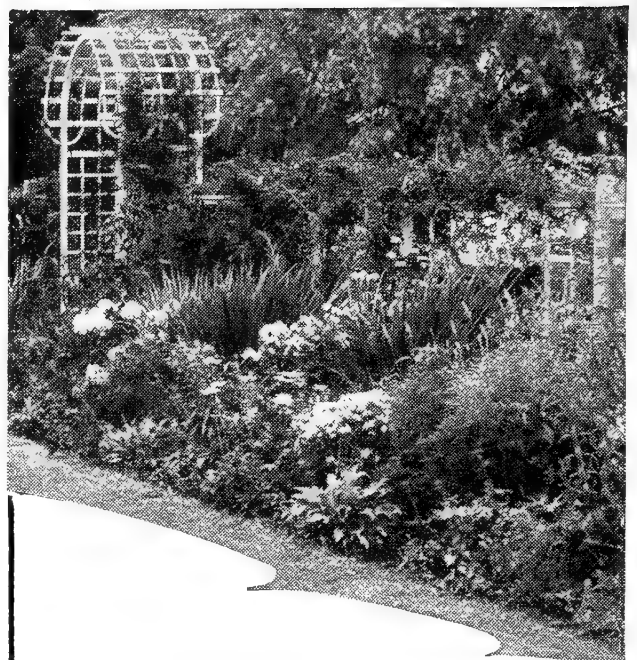
(*Scotch Marigold*)

1312 Signata Pumila, Little Giant. 6 to 8 inches. A bright yellow color. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c.

Thunbergia

1315 Mixed. An annual vine, growing about 4 feet high, bearing medium-sized flowers, white, buff or orange, with dark eye. Largely used in hanging baskets or window boxes.

Pkt., 10c; ¼ oz., 35c.



WORCESTER DOLLAR COLLECTION

Annual Chrysanthemum. Mixed colors.

Asters. Worcester mixed.

Balsam. Choice mixed.

Calendula. Choice mixed.

Carnation. Double fine mixed.

Cosmos. Large early flowering.

Helichrysum. Mixed colors.

Nasturtium. Dwarf mixed.

Pansy. Worcester mixed.

Phlox. Finest mixed.

Portulaca. Single mixed.

Salpiglossis. Mixed colors.

Scabiosa. Mixed.

Sweet Alyssum. Little Dorrit.

Verbena. Mixed colors.

**15 Packets
of Lovely
Annuals
Anyone Can
Grow**

**For \$1
Only
Postpaid**

Of Special Interest to the Kiddies

1386 Wild Flower Garden Mixture. A mixture of many free-blooming annuals which, once sown, require little care.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 80c.

1387 Old-Fashioned Flower Garden Mixture. This is a mixture of old standard varieties of flower seeds which will give a supply of flowers for cutting throughout the entire season.

Pkt., 10c; ½ oz., 30c; oz., 50c.



Verbenas

Verbena

Favorite annuals, thriving in nearly all soils. Useful for beds, borders, carpeting ground and vases.

1319 Mammoth Blue Shades. Pkt., 10c; ½ oz., 40c.

1321 Mammoth Mixed Colors. Best large flowering sorts of many colors.

Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

1322 Scarlet Defiance. Large trusses of deep, rich scarlet. Pkt., 10c; ½ oz., 35c.

1323 Mammoth White. Truss and flowers large, fragrant. Pkt., 10c; ½ oz., 35c.

1324 Royal Bouquet. Finest mixed. Upright, large flowers, auricula-eyed, especially good for pot culture. Pkt., 10c.

1325 Mammoth Mayflower. Pink.

Pkt., 10c; ½ oz., 40c.

1326 Crimson Glow. Rich glowing crimson. The plants are semi-compact in habit with foliage of small type. Pkt., 15c.

1327 Fireball (Nana Compacta). A dwarf compact Verbena, growing about 6 inches high and covered with bright scarlet blooms. **Cannot supply.**

**1328 HYBRID COMPACTA TYPE
(Edging Verbena)**

They are excellent for the annual rock garden in a sunny position, for borders or edgings, or for window boxes or pots. Mixed colors.

Pkt., 10c; ½ oz., 40c.

1329 Mammoth Pink and Rose Shades.

Pkt., 10c; ½ oz., 40c.

Wallflower

Fine bedding plant, but more often grown as a pot plant. Shades of yellow, brown and reddish brown.

1340 Single. Mixed colors. Pkt., 10c.

1341 Double Branching. Mixed colors.

Pkt., 10c; ½ oz., 40c.

1342 Paris Extra Early. A new single flowered strain, blooming throughout the season, from spring-sown seed. Colors light brown, brownish red, yellow, and creamy white. Mixed. Pkt., 10c; ½ oz., 40c.

Wild Cucumber Vine

1346 Wild Cucumber (Echinocystis lobata). One of the most rapid growing climbers with white, fragrant flowers. Seed may be sown either in the fall or spring.

Pkt., 10c; ½ oz., 20c; oz., 35c.

ROSS' ZINNIAS

Most Useful of Flowers

The most gorgeous annuals with a wonderful range of color, flowers of velvety texture, extremely double, with long stems and good keeping qualities.



Lilliput

(Pompon or Baby Zinnias)

The Lilliputs are fast supplanting all other types of Zinnias for cut flower use. Flowers are small, compact, symmetrical, on strong stems.

1362 **Pastel Mixture.** Pkt., 10c; ¼ oz., 30c.

1363 **Finest Mixed.** Pkt., 10c; ¼ oz., 25c.

1364 **Fantasy Mixed.** Double rounded flowers composed of a mass of shaggy raylike petals. The color range includes the brightest shades of red and orange, as well as the popular pastel pinks and cream. Pkt., 10c; ¼ oz., 30c.

Harmony Type

(SCABIOUS FLOWERED)

1365 **Finest Mixed.** Plants 2 to 2½ feet, bearing numerous medium sized flowers resembling the annual Scabiosa. Pkt., 10c; ¼ oz., 30c.

Super Crown O' Gold

1366 **Pastel Tints.** Flowers are large and showy, 5 to 5½ inches in diameter. Strictly a mixture of pastel tints. The plants are strong and robust, growing about 3 feet tall. Pkt., 10c; ¼ oz., 35c.

Zinnia,

New Giant Dahlia-Flowered

The plants are of medium height, 2½ to 3 feet tall, very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

1367 **Will Rogers.** Brilliant scarlet-red.

1368 **Crimson Monarch.** Deep crimson.

1370 **Dream.** Deep rosy lavender.

1372 **Exquisite.** Color light rose, center a deep rose (Tyrian rose).

1374 **Oriole.** Immense orange and gold bicolor, changing slightly as it ages.

1376 **Canary Bird.** Rich canary-yellow.

1378 **Polar Bear.** Large, pure white, the best in Zinnias. True Dahlia form.

Each of the above: Pkt., 15c; ½ oz., 30c; ¼ oz., 45c.

1380 **Special Mixture Gold Medal Strain.** A well-blended mixture containing all the above novelties. Pkt., 15c; ½ oz., 25c; ¼ oz., 45c.

1381 **Gaillardia Flowered.** Finest mixed. (Navajo.) Flowers resemble a Picta Double Gaillardia in both form and colorings. Pkt., 10c; ½ oz., 25c.

1382 **Lilliput Tom Thumb.** Mixed. Plants 4 to 6 inches, compact, covered with well-formed flowers of the Lilliput type. Pkt., 10c; ½ oz., 35c.

1350 **Mixed Colors.** Improved strain, all colors, large flowers. 2 feet.

Pkt., 10c; ¼ oz., 25c; oz., 75c.

1350A **Linearis.** Dwarf early flowering. The single flowers are deep golden orange, with a delicate light yellow stripe which contrasts boldly with the dark center; plants 8 to 10 inches high with a spread of as much as 2 feet.

Pkt., 15c; ½ oz., 40c.

California Giant Mammoth Zinnia

The plants grow from 2½ to 3 feet high and are covered with myriads of densely double flowers, from 4 to 6 inches in diameter.

1351 **Mammoth Crimson Queen.**

1352 **Mammoth Purity White.**

1353 **Mammoth Scarlet Queen**

1354 **Mammoth Golden Queen**

1355 **Mammoth Orange King.** Orange-scarlet.

1356 **Mammoth Salmon Queen.** Deep salmon-rose.

Each, pkt., 10c; ¼ oz., 35c.

1358 **Mammoth.** Mixed colors.

Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

Early Wonder

Earliest of all Zinnias. Fine for short season locations. Plant 18 inches to 24 inches tall, basal branching, producing 3 to 4-inch flowers on long wiry stems which have no laterals and practically no leaves. Bred for cut flower use.

1359 **Finest Mixed.** Full range of colors.

Pkt., 10c; ½ oz., 25c.

Pumila Dwarf Double

(Cut-and-Come-Again)

Bushy plants about 1½ ft. tall. Flowers average about 2½ inches across, well rounded, freely produced on long stems. Ideal for cutting.

1360 **Finest Mixed.** Pkt., 10c; ¼ oz., 30c.





"Flowers Have Been Called the Smiles of God"

HARDY PERENNIALS

That Endure for Years

Achillea

135 **Ptarmica** (The Pearl). Bears clusters of pure white flowers abundantly all summer; fine for cutting; also for cemetery planting. 12 to 18 inches. **Pkt., 10c.**

Aconitum

136 **Napellus** (Monkshood). Large, porcelain-blue hood-shaped flowers; very effective in borders; valuable for cutting. 1½ feet high. **Pkt., 10c.**

Adlumia

140 **Cirrhusa** (Mountain Fringe; Allegheny Vine). A beautiful, hardy, climbing biennial. The feathery foliage resembles that of the Maidenhair Fern. Rapid growth. Small, tube-shaped pink blossoms. Desirable for covering trellises, stumps, etc. 10 to 15 feet. **Pkt., 10c.**

Adonis

145 **Aestivalis** (Flos Adonis). Red. **Pkt., 10c; ¼ oz., 35c.**

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

161 **Coronaria** (Rose Campion). Red. One of the earliest hardy perennials. 1½ feet. **Pkt., 10c; ¼ oz., 35c.**

Alyssum

(Gold Dust)

170 **Saxatile Compactum**. Hardy, compact growth, producing a mass of golden yellow flowers in April. Height 1 foot. Of easy culture. Excellent for rockeries and borders. **Pkt., 10c; ¼ oz., 25c.**

Ampelopsis

182 **Veitchi** (Boston Ivy) **Pkt., 10c; ½ oz., 35c.**

Anchusa

186 **Dropmore Variety**. This variety yields an abundance of brilliant blue flowers. 4 feet. June and July. **Pkt., 10c; ¼ oz., 30c.**

Anemone

A very popular, hardy garden perennial.

188 **Coronaria, French** (De Caen). Fine mixed. 1 foot. **Pkt., 10c.**

189 **Coronaria, St. Brigid**. An improved strain, bearing larger and more brilliant flowers and remaining in bloom longer. 1 foot. **Pkt., 10c.**

Anthemis

(Hardy Golden Marguerite)

A beautiful, hardy perennial; golden yellow, Daisy-like flowers, excellent for cutting. Height 2 feet.

190 **Kelwayi**. **Pkt., 10c; ¼ oz., 25c; ¼ oz., 40c.**

Aquilegia

(Columbine)

Beautiful free flowering hardy perennials, blooming throughout the spring and early summer. Of easy cultivation and will thrive in partial shade. 1 to 3 feet.

200 **Single Mixed**. **Pkt., 10c; ½ oz., 35c.**

202 **Double Mixed**. **Pkt., 10c; ½ oz., 35c.**

204 **Coerulea Hybrida Fl.-Pl.** Long spurred, flowering hybrids in fine colors. **Pkt., 10c; ½ oz., 50c.**

Arabis

(Rock Cress)

208 **Alpina Rosea**. Rose, very dwarf. **Pkt., 10c.**

209 **Alpina, White**. **Pkt., 10c; ½ oz., 40c.**

209A **Pumila, Snow Cap**. Compact free flowering. **Pkt., 10c.**

Aristolochia

215 **Elegans** (Dutchman's Pipe). A hardy perennial vine of rapid growth with large, glossy heart-shaped leaves, bearing curious yellowish brown blossoms, somewhat resembling a pipe. 15 to 20 feet. **Pkt., 10c.**

Armeria

215A **Formosa Hybrids** (Giant Thrift). 2 ft.

Pkt., 10c.

Aubrietia

(*Rainbow Rock Cress*)

220 **Large Flowered Hybrids**. Dwarf free flowering plants with masses of blue and rose shade flowers in early spring. 6 to 8 inches.

Pkt., 10c.

Bellis Perennis

(*Double Daisy*)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It is generally classed as hardy, but really needs a slight protection through the winter. 4 inches.

246 **Longfellow**. Dark rose.

Pkt., 10c.

247 **Snowball**. Pure white.

Pkt., 10c.

247A **Red Quilled**.

Pkt., 10c.

248 **Monstrosa Double Mixed**. Each plant produces 12 to 15 flowers that measure 2 to 3 inches across, carried on long, strong stems.

Pkt., 10c; 1/16 oz., 60c.

248A **Super Giant Rose**. Deep rose.

Pkt., 10c.

248B **Super Giant Red**. Cerise-red.

Pkt., 10c.

248C **Super Giant White**. Pure white.

Pkt., 10c.

Canterbury Bells

(*Campanula Medium*)

Showy hardy biennials about 3 feet high, covered with large bell-shaped flowers. The Calycanthema (Cup-and-Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower.

267 **Prize Mixture**. A superb mixture of all classes, single, double, and Cup-and-Saucer.

Pkt., 10c; 1/8 oz., 25c.

268 **Single Mixed Colors**.

Pkt., 10c; 1/8 oz., 25c.

269 **Double Mixed Colors**.

Pkt., 10c; 1/8 oz., 35c.

270 **Calycanthema**. Rose-pink.

Pkt., 10c; 1/8 oz., 40c.

272 **Calycanthema** (Cup-and-Saucer). **Mixed colors**.

Pkt., 10c; 1/8 oz., 40c.

273 **Calycanthema**. Dark blue.

Pkt., 10c; 1/8 oz., 40c.

274 **Calycanthema**. White.

Pkt., 10c; 1/8 oz., 40c.

274B **Carpatica** (Harebell). Dainty light violet-blue bells opening upward.

Pkt., 10c; 1/8 oz., 60c.

Carnation

(*Hardy*)

288 **Chabaud's Giant Double Mixed**. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring.

Pkt., 10c; 1/8 oz., 50c.

290 **Dwarf Vienna**. Blooms early the second summer from seed. The hardiest sort, said to stand the winter with a slight protection. Flowers large, double, fragrant and of varied colors.

Pkt., 10c; 1/8 oz., \$1.00.

292 **Grenadin, Finest Mixed**. Early, free flowering, medium large, upright growing, long slender stemmed hardy Carnation. Foliage is grassy, of the Dianthus type. Does not bloom until the second year.

Pkt., 10c.

COLUMBINE. See Aquilegia.

Centaurea

328 **Montana, Blue**. (Perennial Cornflower.) Large violet-blue flowers, 2 feet.

Pkt., 10c; 1/8 oz., 30c.



Bellis Perennis

Cheiranthus

334 **Allioni** (Siberian Wallflower). Brilliant orange. 1 foot.

Pkt., 10c; 1/8 oz., 25c.

335 **Allioni, Golden Bedder**. Golden yellow.

Pkt., 10c; 1/8 oz., 25c.

Clematis

340 **Paniculata**. One of the finest hardy perennial climbers. Of robust habit and covered from the ground to the summit with pure white, fragrant flowers. The flowers are followed by pretty seed pods of bronzy red. 12 feet. Cannot supply.

Coreopsis

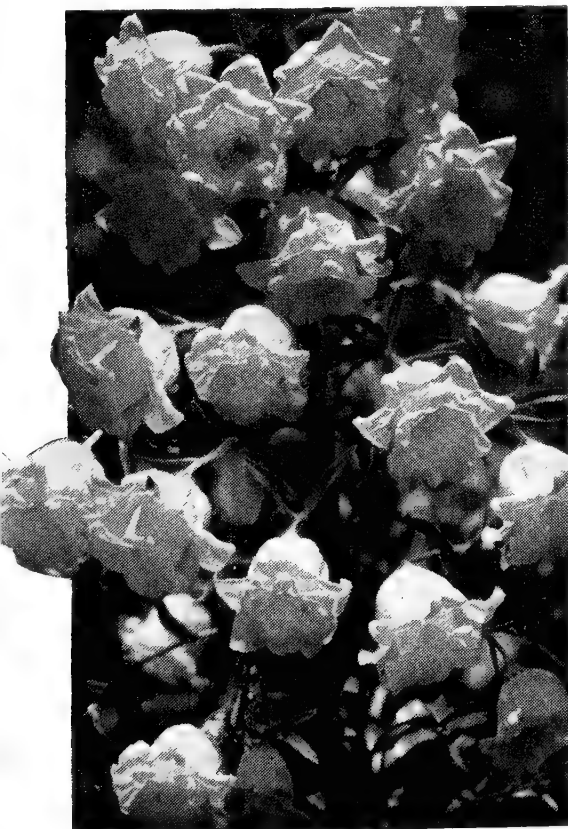
For Annual Varieties, see Calliopsis.

358 **Lanceolata Grandiflora**. The flowers are a rich golden yellow, often 3 inches in diameter, borne on fine, long stems; desirable for cutting.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

358A **Double Sunburst**. Large, golden yellow, fully double flowers.

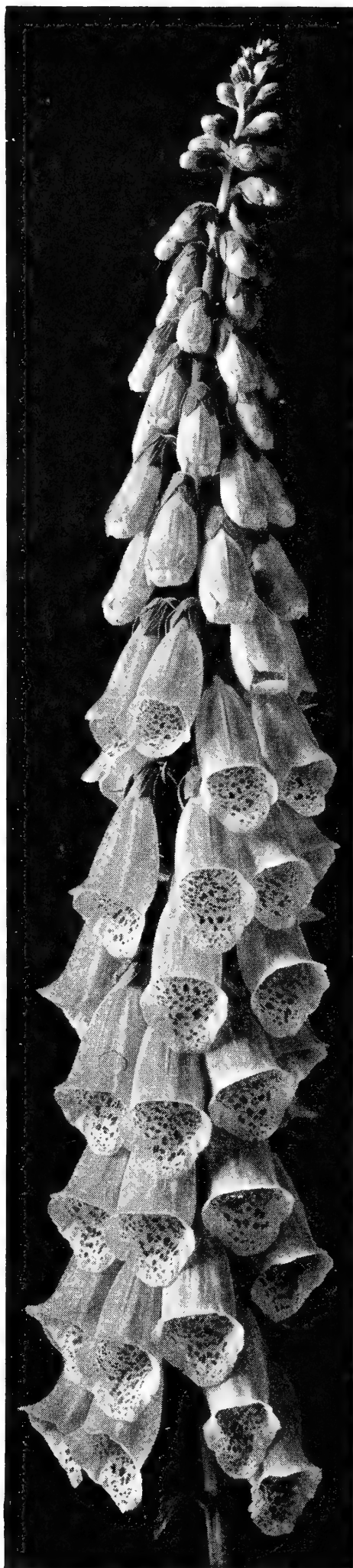
Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c.



Canterbury Bells



Armeria



Digitalis, The Shirley

Dahlia

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous rooted, half-hardy perennials; blooming the first year from seed, if sown early. Protect roots during winter in a dry cellar in peat moss or sand.

371 Unwin's Dwarf Giant-Flowered. Early flowering semi-double strain of Dahlias, producing gorgeous blossoms of almost every color combination from midsummer until late autumn.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

371A Coltness Gem. Dwarf large flowering hybrids. Reselected.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

372 Special Mixture of Giant-Flowered Single Varieties. Comprises seed from noted English and Holland growers.

Pkt., 10c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

373 Double Large-Flowered. Mixed colors. Saved from the finest show varieties. Pkt., 10c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c.

DAHLIA BULBS. See page 59.

Daisy

378 Shasta Daisy. Large, pure white flowers blooming in great abundance all summer. 1 to 2 feet.

Pkt., 10c; $\frac{1}{16}$ oz., 25c; $\frac{1}{8}$ oz., 40c.

Michaelmas Daisies (Perennial Single Aster). Beautiful and showy, hardy perennials easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early.

381 Alpinus, Mixed Colors. Pkt., 10c.

For other flowers known as Daisies, see Anthemis, Brachycome and Chrysanthemums.

Delphiniums

393 Gold Medal Strain. Seeds taken from the Gold Medal strain. Double and single, and includes light blue, intense deep blue and many lighter shades. 6 to 8 ft. Pkt., 25c; $\frac{1}{8}$ oz., 60c.

393A Blue Bird Series. Clear medium blue, white bee. Pkt., 25c.

393B Galahad Series. Huge clear white. Pkt., 25c.

393C Lancelot Series. Clear lilac self, a rare color; white bee. Pkt., 25c.

394 Pacific Giants, Mixed.

Pkt., 25c; $\frac{1}{16}$ oz., 75c.

395 Belladonna Hybrids Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 60c.

396 Wrexham Hollyhock Strain. This strain is a fine mixture of light and dark shades. The flowers are large, truly double, well placed on long spikes. 6 feet. Pkt., 15c; $\frac{1}{8}$ oz., 75c.

397 Chinensis Alba. Pure white. 2 to 3 feet tall. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

397A Nudicaule. Scarlet. 2 ft. Pkt., 10c.

Clove or Grass Pinks

(*Dianthus Plumarius*)

Improved forms of the old well known Clove Pink. They grow anywhere and bloom very profusely. Very useful for the hardy border.

416 Single (Pheasant's Eye Pink). Mixed colors. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

417 Nanus fl.-pl. Extra dwarf double mixed. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

418 Florist's Perpetual Pink (*D. semperflorens*). Double and semi-double; large flowers; very fragrant and many colors. Blooms nearly all summer and if sown in March will generally bloom the first season. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

Dianthus

419A Loveliness. Shaggy appearing finely fringed flowers of delicate rosy lilac, highly sweet scented, and measure from $1\frac{1}{2}$ to 2 inches across. 12 to 15 inches high. Pkt., 10c.

Dielytra

421 Spectabilis (Bleeding Heart). The flowers are heart shape, varying from light pink to rosy crimson. Leaves are light transparent green. Blossoms in April and May. Pkt., 25c.

Digitalis

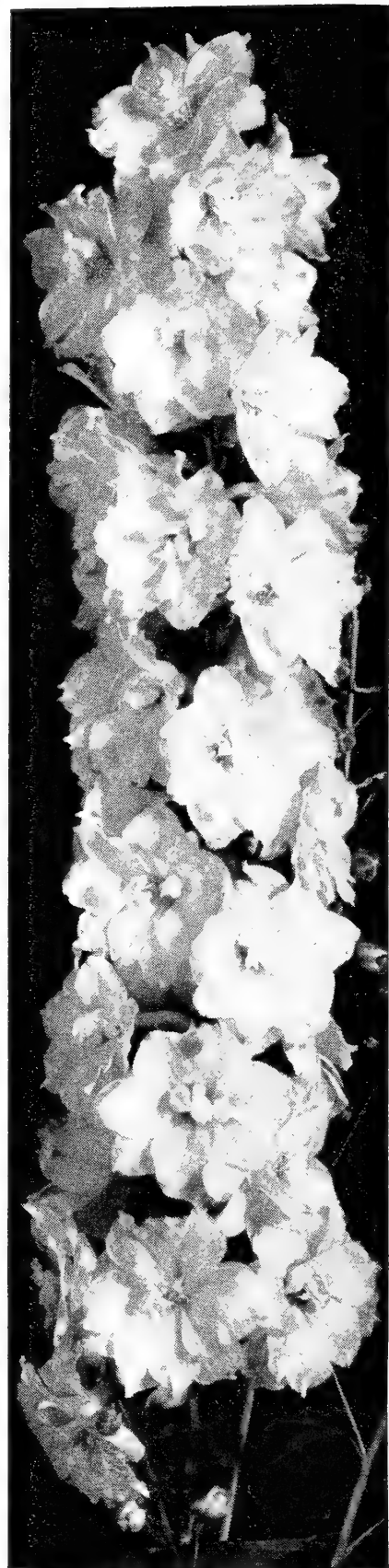
(*Foxglove*)

Favorite hardy plants bearing in June and July tall flower spikes. Of easy culture. Hardy biennial or perennial. $2\frac{1}{2}$ to 3 feet.

424 Monstrosa. Mixed colors. Monstrous flowers. Attractive. Pkt., 10c.

430 Gloxiniaeflora, The Shirley. Giant hybrids, spotted throats. Pkt., 10c.

431 Gloxiniaeflora. Finest spotted varieties. Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 20c.



Pacific Hybrid Delphiniums

Forget-Me-Not

(*Myosotis*)

Favorite half-hardy perennials, mostly treated as annuals; nearly all blooming the first season from seed sown early in the open ground.

- 454 **Alpestris, Indigo Blue.** Dark blue. Pkt., 10c; $\frac{1}{8}$ oz., 50c.
 455 **Oblongata, Blue Bird.** Dark blue, large flowered. Pkt., 10c; $\frac{1}{8}$ oz., 50c.
 457 **Alpestris Rosea.** Rose. Pkt., 10c; $\frac{1}{8}$ oz., 35c.
 459 **Palustris Semperflorens, Azure.** Blue. Blooms in 8 to 10 weeks from sowing. Pkt., 10c; $\frac{1}{8}$ oz., 35c.
 460 **Hybrida, Ruth Fischer.** Upright growing, free blooming, rich color. Fine for pots. Pkt., 25c.
 461 **Victoria.** The flowers are large, bright azure-blue, with yellow centers. Best for edging. Pkt., 10c.
 462 **Victoria Rosea.** Rose, dwarf large-flowered. Pkt., 10c.
 463 **Victoria, Indigo-Blue.** Pkt., 10c; $\frac{1}{8}$ oz., 60c.
 464 **Victoria, White.** Pkt., 10c.

Gaillardia

(*Blanket Flower*)

Flowers large, with rich shades of scarlet, orange and crimson, the three often combined in one flower. If sown early, will bloom in the first season. $1\frac{1}{2}$ to 2 feet.

- 478 **Grandiflora, Large Flowered Choice Mixed.** A splendid mixture; comprises all the colorings known. Pkt., 10c; $\frac{1}{8}$ oz., 25c.
 478A **Burgundy.** Coppery scarlet flowers $2\frac{1}{2}$ inches in diameter. If started early indoors flowers may be produced the first season from seed. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Geum

Free flowering, producing a wealth of attractive flowers much prized for cutting. Excellent for borders.

- 486 **Lady Stratheden.** Flowers loosely double; a delightful shade of golden yellow. Pkt., 10c; $\frac{1}{8}$ oz., 50c.
 487 **Mrs. Bradshaw.** The double orange-scarlet flowers are very large and full. 2 feet. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Gypsophila

(*Baby's Breath*)

Flowers very small, borne in loose graceful panicles. Used in bouquets with other cut flowers. 2 feet.

- 502 **Pacifica.** Rose, blooms when Paniculata varieties have passed. Excellent for cutting. Pkt., 10c; $\frac{1}{16}$ oz., 50c.
 504 **Paniculata Flore Pleno.** A fine, new double of the purest white, the flowers forming miniature balls of white petals. Pkt., 10c; $\frac{1}{16}$ oz., 50c.
 506 **Paniculata.** White. The variety more generally known as Baby's Breath. Hardy perennial. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c.

Helenium

A very valuable hardy perennial, bearing in profusion in August and September, long-stemmed, single flowers; fine for cutting.

- 510 **Hoopesi.** Yellow with brown disk. Pkt., 10c.
 512 **Riverton Gem.** Orange blooms, tinged with maroon. Pkt., 10c.

Heliopsis

- 516 **Laavis Pitcheriana.** Yellow.

Pkt., 10c.



Gypsophila



Double Hollyhocks

Heuchera

- 525 **Sanguinea Hybrids.** A fine, hardy perennial, bearing in graceful spikes, rich colored flowers. Useful for cutting. 1 foot. Pkt., 25c.

Hibiscus

(*Mallow Marvel*)

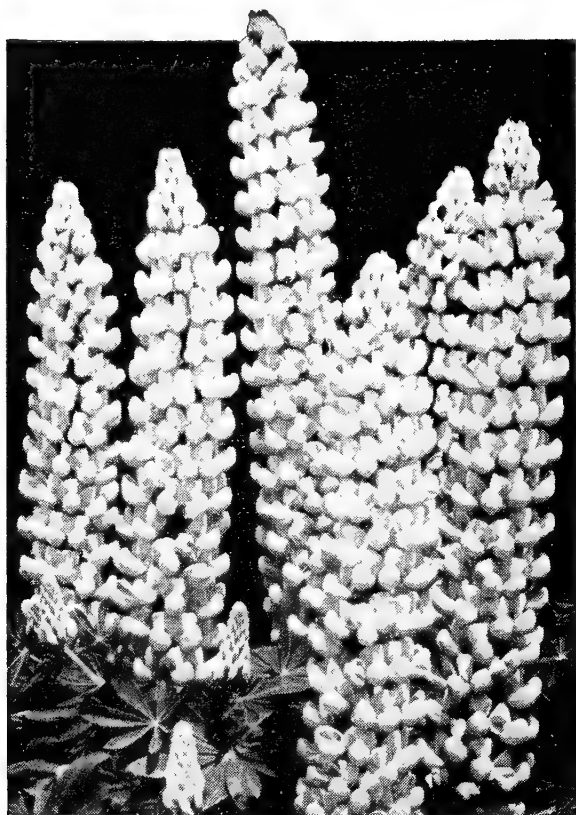
Vigorous growing plants, producing large, handsome flowers, often 6 inches across. Very desirable for mixed beds or borders.

- 526 **Giant Flowered.** Finest mixed. Hardy perennial. 4 feet. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Hollyhock

Flowers about 3 inches across set as rosettes around strong growing stalks. Seeds sown in May or June make fine blooming plants the following season.

- 530 **Chater's Double, Finest Mixed.** Choicest double varieties, a large percentage of the flowers coming double. Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.
 531 **Double Triumph Mixed.** Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 10c; $\frac{1}{8}$ oz., 40c.
 532 **Alleghany.** Large, semi-double flowers, beautifully fringed, of silky texture and richly colored. Pkt., 10c; $\frac{1}{8}$ oz., 25c.
 534A **Double Imperator.** Large fringed rosette flowers in charming color combination. Pkt., 10c; $\frac{1}{8}$ oz., 40c.
 Chater's Double. 535 Maroon. 535A Newport Pink. 536 Snow-White. 536A Yellow. Pkt., 10c; $\frac{1}{8}$ oz., 40c.



Russell Lupins

Iberis

542 **Queen of Italy.** Dwarf, bushy habit. Pink flowers.

Pkt., 10c.

543 **Sempervirens** (Perennial Candytuft). A desirable hardy perennial of easiest culture. Dwarf spreading habit; suitable for rockeries. Flowers pure white.

Pkt., 10c.

544 **Gibraltarica.** Lilac shading off to white; large flowers. Early.

Pkt., 10c; 1/8 oz., 35c.

Kudzu Vine

(*Pueraria*)

560 **Thunbergiana** (Jack-and-the-Beanstalk-Vine). A vine of wonderfully rapid growth, when well established, growing to the great height of 40 to 50 feet. Leaves are of enormous size. Hardy perennial.

Cannot supply.

Lathyrus Latifolius

(*Everlasting Sweet Pea*)

An easily grown, hardy perennial climber, bearing freely flowers somewhat similar in form to the Sweet Pea. If grown in moist soil, will bloom nearly all summer. Colors: reddish purple, rose and white. 6 to 8 ft.

570 **Mixed Colors.**

Pkt., 10c; 1/4 oz., 40c.

Lavender

(*Lavandula Vera*)

575 **Vera.** A well-known hardy perennial grown chiefly for its lasting fragrance.

Pkt., 10c.

Liatris

578 **Spicata.** Purplish rose. 20 inches.

Pkt., 10c.

Linum

582 **Flavum.** Yellow. Excellent early flowering rock garden plant.

Pkt., 10c; 1/8 oz., 40c.

Lobelia

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

588 **Cardinal Flower** (*Cardinalis*). Intense scarlet. 3 feet.

Pkt., 10c; 1/16 oz., \$1.00.

Lupin

590A **Polyphyllus.** Blue.

Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.

591 **Polyphyllus.** Finest Mixed. Hardy plants of easy culture; useful as a background in the perennial border. Mixed blue and white. 2 to 4 feet.

Pkt., 10c; 1/4 oz., 35c.

592 **"Russell."** Grown from originator's stock seed. A fine collection.

Pkt., 10c; 1/4 oz., 60c.

Lychnis

Perennial plants of easy culture, blooming the first season if sown early.

595 **Chalcedonica** (Burning Star). Bright scarlet flowers shaped like a Maltese Cross. Of fine color and thrifty growth; very effective in the perennial border. 2 feet.

Pkt., 10c; 1/8 oz., 25c.

Mimulus

Bushy plants 1 foot high. Flowers various shades of yellow, spotted and marked crimson.

630 **Tigrinus** (Monkey Flower). Handsome flowers with white, sulphur or yellow ground spotted with crimson, scarlet or pink.

Pkt., 10c.

631 **Moschatus** (Musk Plant). Small yellow flowers, musk-scented foliage, of trailing habit; excellent for hanging baskets.

Pkt., 10c.

Nepeta

757A **Mussini.** A favorite perennial rock plant with blue-gray foliage and blue flowers. 9 inches.

Pkt., 10c; 1/8 oz., 35c.

Phlox

The seed we offer has been saved from the best varieties and is supplied in mixture only.

847 **Choicest Mixed.**

Pkt., 10c; 1/8 oz., 60c.

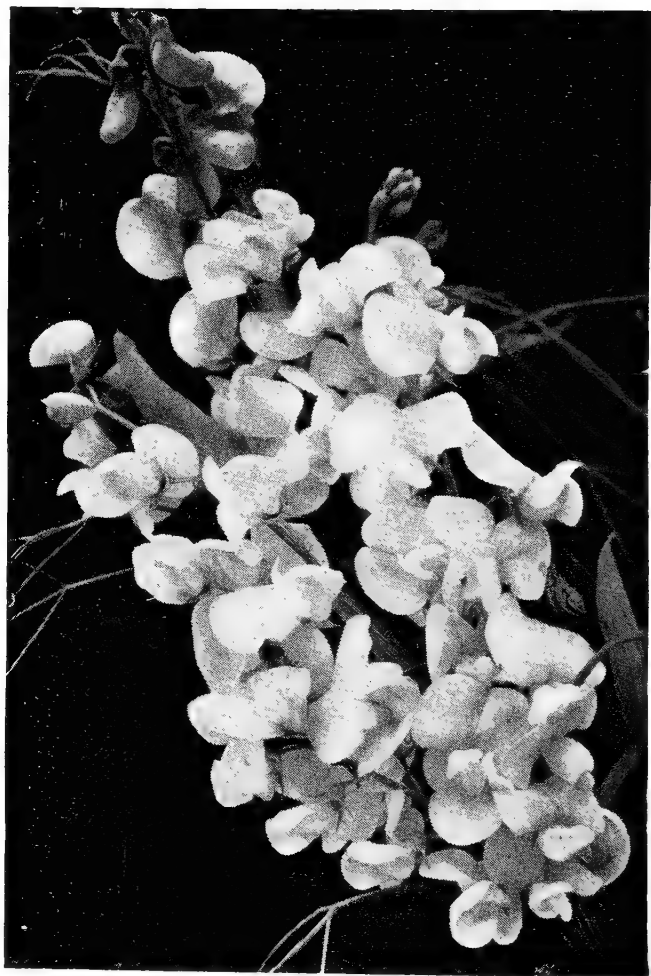
Physalis

(*Chinese Lantern Plant*)

850 **Francheti.** Bright orange, scarlet lantern-like fruits which are gathered in the fall and dried. Very attractive for winter bouquets. If seed is sown early will bloom the first year.

Pkt., 10c.

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. Prices subject to change.



Lathyrus Latifolius

Exhibition PANSIES

*Bloom Abundantly from Early Spring
to Severe Frost*

**A Lovely, Velvety Assortment of Colors
that Endures All Climates**

The Pansy produces best results during the cool days of spring, and in a sandy loam, thoroughly prepared and supplied with well-rotted manure. To assist germination by retaining moisture, cover the seed bed with sheeting or single burlap, removing as soon as seedlings begin to appear. From this time on it is important never to let the soil become dry; to do so is fatal. Keep moist but not soaking wet. For early spring flowers, sow seed in August and protect during the winter.

770 Giant Coronation Gold. Canary-yellow, lower petals flushed golden orange; slightly ruffled. **Pkt., 25c.**

771 Swiss Giant. Giant mixed. The flowers are of immense size, borne on long stems, and the colors are unusual, mostly large blotched. **Pkt., 25c.**

774 Dwarf Swiss Giant. Plants are more dwarf and compact with the same immense flowers and unusual colors. **Pkt., 25c.**

776 Super Maple-Leaf Giant Mixed. Compact habit, with large attractive foliage and very large blooms. **Pkt., 25c.**

778 Masterpiece. (Ruffled Pansies.) A strain having ruffled and curled petals, giving the flowers the appearance of being double. Colors rich and striking. **Pkt., 10c; 1/8 oz., 75c.**

779 Worcester Giant Mixed. Our own selections of choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts, and several choice strains of different growers. **Pkt., 10c; 1/8 oz., 75c.**

782 Trimardeau Large Flowered Mixed. The range of coloring is excellent, and the mixture will be found very satisfactory. **Pkt., 10c; 1/8 oz., 75c.**

783 Oregon Giants Mixed. A splendid strain of Fancy Pansies, large flowered and of good substance. **Pkt., 25c.**

785 Choice Mixed. A mixture of many varieties. **Pkt., 10c; 1/8 oz., 75c.**

786 Giant Adonis. Splendid light blue, with white center and dark blotches. **Pkt., 10c.**

788 Giant Cardinal. Brilliant red. **Pkt., 10c; 1/8 oz., 75c.**

792 Golden Queen. Pure yellow. **Pkt., 10c; 1/8 oz., 75c.**

794 Indigo Blue. New rich shade. **Pkt., 10c; 1/8 oz., 75c.**

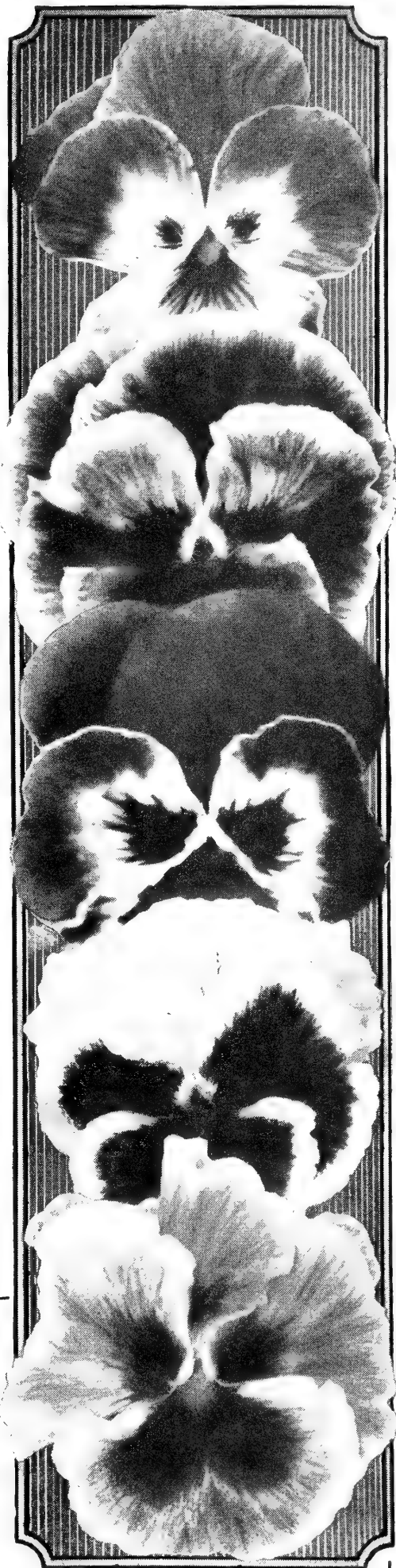
796 King of the Blacks. **Pkt., 10c; 1/8 oz., 75c.**

800 Lord Beaconsfield. Violet, shading to white at the top. **Pkt., 10c; 1/8 oz., 75c.**

804 Victoria. Fire red. **Pkt., 10c.**

808 Snow White (Candidissima). **Pkt., 10c; 1/8 oz., 75c.**

811 Yellow. With large, black eye. **Pkt., 10c; 1/8 oz., 75c.**



Ross' Giant Pansies

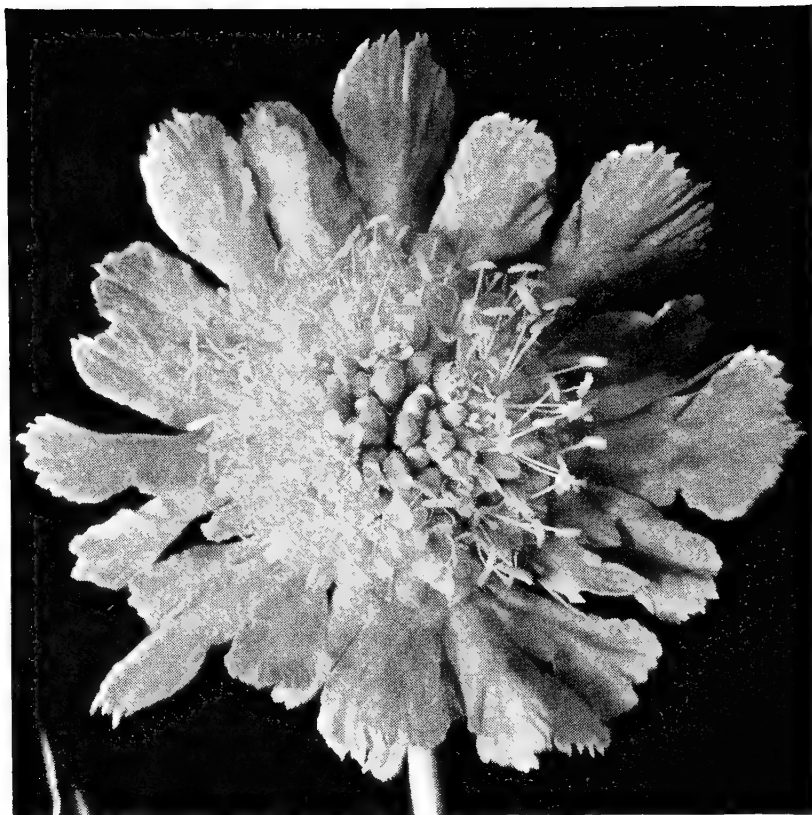
**Outstanding in Color, Size and
Freedom of Bloom**

They are of enormous size with long stems and healthy foliage. The color combinations are new and very rare, including shades never before seen in Pansies: browns, salmons, pinks, reds, and wine colors. We do not hesitate to recommend this strain to the most critical grower.

Why buy ordinary seed when **Ross' Selected Giants cost no more?** One ounce of seed will produce as many as 20,000 plants. **Try Ross' Selected Giant Seed this year for best results.**

PRICE LIST OF ASSORTED COLORS:

780—Pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; 1/4 oz., \$3.25; 1 oz., \$12.00; 1/4 lb., \$44.00; 1 lb., \$160.00. These prices include free delivery in U. S. A.



New Giant Scabiosa Caucasica

Platycodon

(Chinese Bellflower)

855 **Grandiflorum**. Blooms from July to September. The flowers are large, steel-blue. 2 to 2½ ft. **Pkt., 10c.**

Polemonium

(Jacob's Ladder)

857 **Coeruleum**. Large heads of showy blue flowers from May to August. 2 feet. **Pkt., 10c.**

Hardy Perennial Poppies

890 **Iceland Poppies**. White and shades of yellow and orange. Mixed. **Pkt., 10c; ¼ oz., 40c.**

Oriental Poppies. Easily grown from seed sown either in late fall or early spring. They bloom the second spring from sowing.

892 **Oriental**. Deep crimson flowers, with blotch of black on each petal. **Pkt., 10c; ¼ oz., 40c.**

893 **Oriental Mixed**. Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. **Pkt., 10c; ¼ oz., 40c.**

Hardy Primroses

Although known as a hardy perennial, these require in this climate some protection. If protected with leaves covered by a box, they will live through our severest winters.

Veris (Polyanthus). Excellent for either pot or outdoor culture. Colors mostly shades of yellow, and red and yellow.

903 **Choicest Mixed**. **Pkt., 10c.**

904 **Vulgaris**. True, yellow English Primrose. Canary-yellow; fragrant. **Cannot supply.**

Pyrethrum

Hardy perennials of easy culture.

910 **Aureum** (Golden Feather). Golden foliage; small, white flowers. 1 foot. **Pkt., 10c; ¼ oz., 35c.**

913 **Roseum Hybridum**. Blooms freely from June to September, bearing large flowering, Daisy-like flowers, ranging from light pink to deep red, with bright yellow center; excellent for cutting. **Pkt., 10c; ¼ oz., 60c.**

Rocket, Sweet

(*Hesperis Matronalis*)

Hardy perennial plant of easy culture, bearing clusters of purple or white, fragrant flowers. 1½ feet.

921 **Mixed**.

Pkt., 10c; ¼ oz., 25c.

Rudbeckia

(Coneflower)

Will grow in nearly all soils and situations, thriving in partial shade or fully exposed to the sun.

925 **Kelvedon Star**. Deep orange with dark brown disc. **Pkt., 10c.**

926 **Purpurea** (Echinacea; Giant Purple Coneflower). Large flowers, about 4 inches in diameter; reddish purple, with large cone of brown. Hardy perennial. 3 feet. **Pkt., 10c; ¼ oz., 40c.**

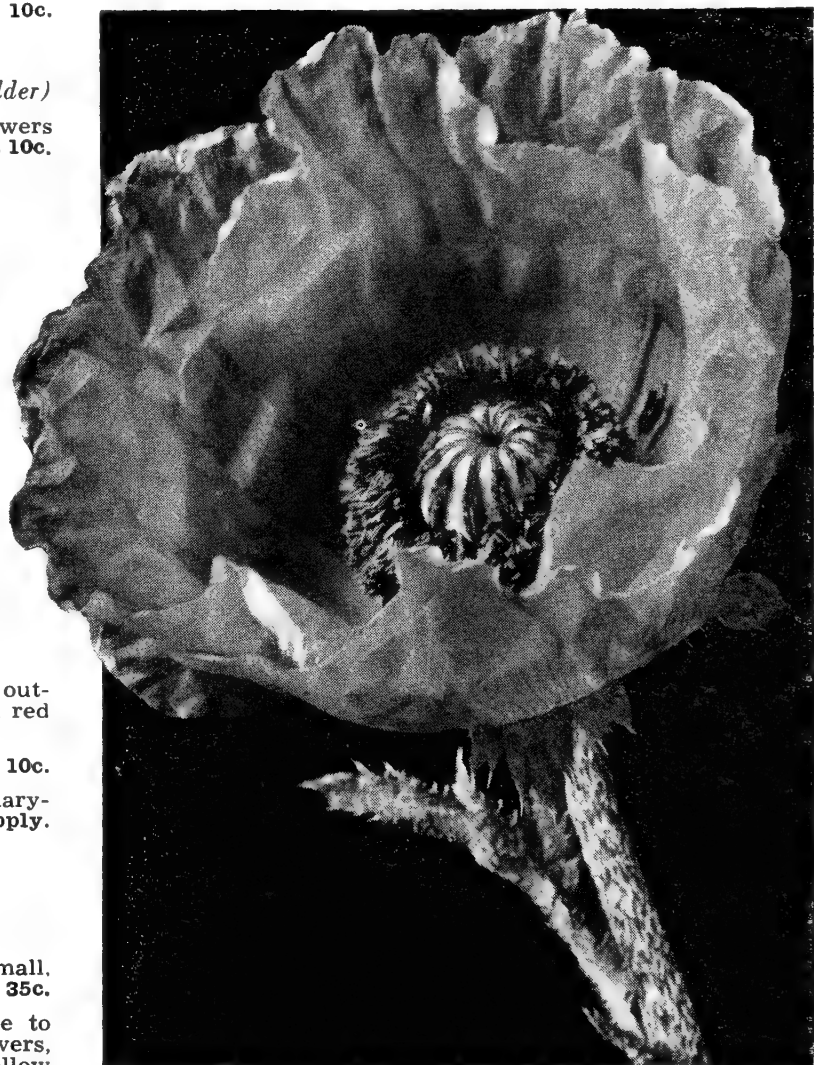
Scabiosa

946 **Columbaria**. Lavender. Large lavender-blue flowers; plant dwarf with a fine, light green foliage. 18 inches. **Pkt., 15c; ¼ oz., 60c.**

946A **Columbaria Pink**. Delicate pink. 18 inches. **Pkt., 15c; ¼ oz., 60c.**

947 **Caucasica Perfecta**. A hardy perennial, especially valuable for cutting, the blooms lasting a long time in water; color soft lavender-blue. 2 feet. **Pkt., 10c; 1/16 oz., 30c.**

947A **House's New Hybrids**. Each petal is beautifully ruffled and fringed. Shades of blue from lavender to dark blue, very large flowers. **Pkt., 15c; 1/16 oz., 50c.**



Oriental Poppy



Tritoma

Sedum

949A **Acre.** H.P. Thrives well in poor soil. Fine for rockeries and for covering bare spots. Yellow blossoms. 3 inches. **Cannot supply.**

Sweet William

(*Dianthus Barbatus*)

A hardy biennial with large trusses of sweet-scented flowers produced in abundance, suitable for rock gardens.

1300 **Single Mixed Colors.** Pkt., 10c; 1/8 oz., 35c.

1302 **Holborn Glory.** A new strain of the auricula-eyed section; both the head and individual flowers are of the largest size and each of the latter shows a clear white eye; of an exceedingly wide range of colors.

Pkt., 10c; 1/8 oz., 40c.

1304 **Dwarf Double Mixed Colors.** 6 inches.

Pkt., 10c; 1/8 oz., 75c.

1305 **Dwarf Single Mixed Colors.** 6 inches.

Pkt., 10c; 1/8 oz., 60c.

1308 **Double Largest Flowered.** Choicest mixed. A greatly improved strain.

Pkt., 10c; 1/8 oz., 40c.

1309 **Scarlet Beauty.** A very effective rich, deep scarlet variety.

Pkt., 10c; 1/8 oz., 40c.

1306 **Newport Pink.**

Pkt., 10c; 1/8 oz., 40c.

Stokesia Cyanea

(*Cornflower Aster*)

973 **Blue.** Blooms from August to frost. 2 feet high.

Cannot supply.

974 **Mixed.** Containing many new colors.

Cannot supply.

Tritoma

1317 **Tritoma** (Red Hot Poker Plant or Flame Flower). H.P. Large spikes of orange-red flowers. Height, 4 feet; effective in single clumps or among shrubbery.

Pkt., 10c; 1/8 oz., 35c.

Trollius

1317A **Choicest Mixed Varieties.**

Pkt., 10c.

Tunica

1318 **Saxifraga.** Dwarf, hardy perennial. Pink blossoms; an excellent rock plant.

Pkt., 10c.

Veronica

1330 **Spicata.** Pretty blue flowers on long spikes.

Pkt., 10c; 1/8 oz., 50c.

Viola Cornuta

(*Tufted Pansies*)

Flowers not so large as the Pansy. Blooms profusely; is quickly and easily grown. Seed sown in April will produce blooming plants in June and, if planted in cool, moist soil, partly shaded, nearly all summer. Hardy perennial.

1335 **Mixed Tufted Pansies.** Finest mixture of all colors.

Pkt., 10c; 1/8 oz., 75c.

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Bulbs, Vegetables and Flower Seeds, at
prices listed in this catalog. Prices subject
to change.



Viola Cornuta

Gladiolus

You'll Want a Planting of these Gorgeous Summertime Beauties

Beacon. Clear, bright, rose-scarlet, with large cream blotch. Extremely showy. Opens 8 to 10 medium-large, somewhat ruffled blooms on a very tall, straight, but willowy spike. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Camellia. Bluish white, tinted pink, with small scarlet marking in throat. 6 to 8 large, well-placed blooms on a long flower head. Tall husky grower. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Charmaine. A new deep rose with darker throat. Beautiful. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Colossus. Very early light pink with small red feather on a cream ground. Very large and usually has long flower head. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Corona. Creamy white shading more creamy towards the throat with rose picotee edge on all petals. 6 to 8 very large well open blooms on a head of 18 buds. Tall strong grower. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Debonair. La-France-pink shading shrimp pink with creamy throat blotch. 6 to 8 medium size blooms open on a very tall always straight spike with flower head sometimes 3 feet long. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Dr. Hoeg. Glistening dark red of medium size. Has a velvety sheen that no other red variety has. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Firefly. Dazzling scarlet with single white line on each lip. The very best early blooming scarlet variety. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Gardenia. Creamy white. Good clean self color. New and one of the best in this color. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Goldust. Clear deep rich yellow. Florets are well placed on graceful spikes with 6 to 8 open. One of the earliest yellows. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Greta Garbo. Beautiful soft light rose with creamy lip. Large blooms open flat, opening 6 or more at a time. **Each, 12c; doz., \$1.20; 100, \$8.00.**

King Lear. Very early clear deep reddish purple with silver lines on edges of all petals. Large and heavily ruffled. 5 to 6 large blooms open on a very tall spike. **Each, 12c; doz., \$1.20; 100, \$8.00.**

King William. A soft salmon with apricot blending beautifully into a clear unmarked cream throat. It is a tall, healthy, vigorous grower. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Lady Jane. Clear cream with yellow lip petals which gives the flower the appearance of yellow. Opens 6 to 8 large slightly ruffled blooms at once. **Each, 12c; doz., \$1.20; 100, \$8.00.**

Lavinia. Rich medium-deep pink of lustrous heavy substance with a beautiful orchid-like throat marking. Opens up to five enormous slightly ruffled florets at one time on a 5-foot spike. **Each, 12c; doz., \$1.20; 100, \$8.00.**

Maid of Orleans. Beautiful milky white with cream throat. Tall straight plant with up to 8 large well-placed blooms open. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Margaret Beaton. Pure snow-white with small scarlet blotch in throat. 6 to 8 large, usually well-placed, blooms open on a long flower head. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Margaret Fulton. Superb, early blooming salmon-pink. A distinctive shade, different than the color of any other variety. Opens 6 to 8 blooms at once. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Miss Alameda. Large saffron-pink on a tall, strong exhibition spike. 8 to 10 blooms open at one time. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Mohawk. Dark velvety red with no markings. Opens 8 well-placed 5-inch blooms with several more showing color. One of the very best of the dark reds. **Each, 12c; doz., \$1.20; 100, \$8.00.**

Peggy Lou. Lovely soft blue-toned deep pink of Picardy type. Many large florets open on a long spike. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Picardy. Clear soft salmon with flesh throat on which is a soft inconspicuous feathering of rose. 7 to 9 very large well-placed blooms open at once. The most popular variety grown. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Rosa Van Lima. A pure, clear pink of such loveliness as is seldom seen. A touch of light lavender in throat. **Each, 12c; doz., \$1.20; 100, \$8.00.**

Shirley Temple. Immense heavily ruffled cream with cream-yellow throat. Opens 6 or more huge blooms on a tall spike. Very popular. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Silentium. An excellent white with carmine feather in throat. Tall straight spike with 5 to 7 blooms open at a time. **Each, 12c; doz., \$1.20; 100, \$8.00.**

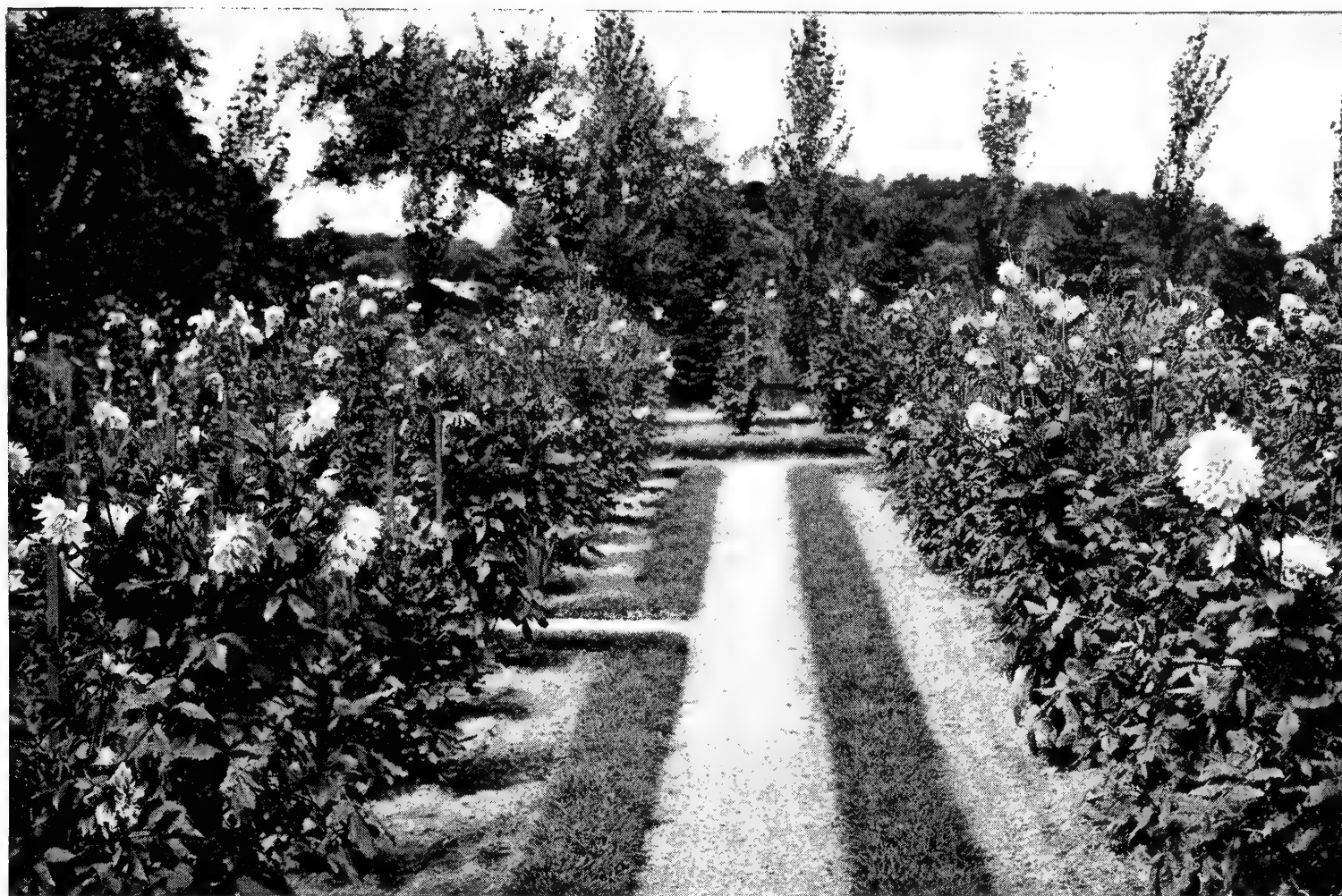
Snow Princess. One of the finest of the creamy whites. Has long spikes with about 6 large florets well arranged open at once. **Each, 10c; doz., \$1.00; 100, \$7.00.**

White Gold. Very large clear light cream shading to a golden throat. 4 to 6 enormous well-placed blooms on a long flower head. Can be grown to amazing size. **Each, 12c; doz., \$1.20; 100, \$8.00.**

Yellow Beauty. Very early clear light yellow. 6 to 8 well-placed blooms on a tall plant. **Each, 10c; doz., \$1.00; 100, \$7.00.**

Mixture. A mixture of popular, named varieties, selected from all classes, unsurpassed in diversity of colors and types of blooms. **Each, 10c; doz., \$1.00; 100, \$6.00.**





IF IT'S GIANT SIZE AND BEAUTY BEYOND DESCRIPTION— *We Recommend* ————— *Dahlias*

LARGE FLOWERING VARIETIES

Blue Rose. (F. Dec.) Light bluish rose.	Each, \$1.00.
Buckeye Star. (S. Cac.) Golden yellow shaded rose.	Each, 50c.
Capt. Cedarquist. (Cac.) Bright orange.	Each, 50c.
Commando (F. Dec.) New deep lavender.	Each, 60c.
D. Day. (F. Dec.) New soft clear pink.	Each, \$1.00.
Eastern Echo. (F. Dec.) Rosy white striped deep rose.	Each, 50c.
Francis LaRocco. (F. Dec.) Yellow, cutting variety.	Each, 50c.
Golden Eclipse. (F. Dec.) Golden yellow.	Each, 50c.
Golden Prince. (F. Dec.) Old gold shaded rose.	Each, 60c.
Jean Kerr. (F. Dec.) Florist's white.	Each, 35c.
Jersey's Beauty. (F. Dec.) Standard pink.	Each, 50c.
Jersey's White Beauty. (F. Dec.) Pure white.	Each, 50c.
Leah Pearl. (F. Dec.) Pink and yellow blend.	Each, 60c.
Le Toreador. (F. Dec.) Rich crimson.	Each, 40c.
Mid-West Champion. (I. Dec.) Rose, white at base.	Each, 60c.
Mme Jussiant. (Cac.) Soft lavender.	Each, 60c.
Monarch of the East. (F. Dec.) Pure old gold.	Each, 60c.
Morning Glow. (F. Dec.) Creamy white shaded rose.	Each, 75c.
Mrs. I. de Ver Warner. (F. Dec.) Lilac-rose.	Each, 40c.
Mrs. James Albin. (F. Dec.) Fine commercial yellow.	Each, 50c.
Nathan Johnson. (F. Dec.) The red Jean Kerr; fine.	Each, 50c.
New York Market. (F. Dec.) Florist's white shaded lavender.	Each, 50c.
Orchid Ball. (B.) Beautiful old rose.	Each, 50c.
Robin Hood. (F. Dec.) New deep orange, very fine.	Each, \$1.25.

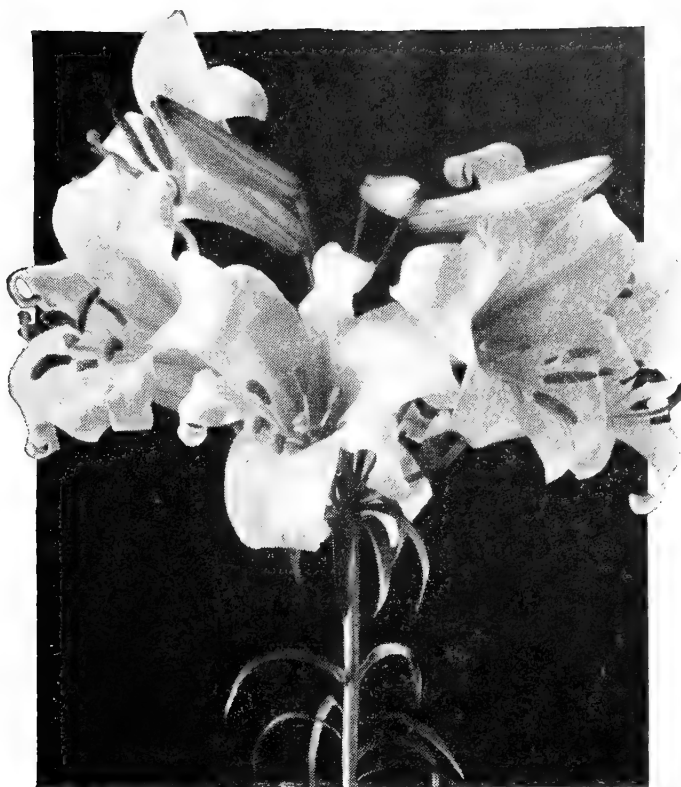
Pink Flamingo. (I. Dec.) Deep rose, lighter at center.	Each, \$1.50.
Snowcrest. (Cac.) Pure white.	Each, \$1.50.
Son of Satan. (Cac.) Very large scarlet.	Each, \$1.00.
Sultan of Hillcrest. (F. Dec.) Old gold and rose.	Each, 50c.
Supt. Amrhn. (B.) Clear deep pink, fine for cutting.	Each, 50c.
Watchung Giant. (I. Dec.) Deep golden yellow.	Each, 40c.
White King. (F. Dec.) Pure white.	Each, 50c.
Yellow De Luxe. (S. Cac.) New Buttercup-yellow; fine.	Each, 75c.
Mixed Dahlias. Our special assortment of large flowering Dahlias.	Postpaid, \$3.00 per doz.

POMPONS

Amber Queen. Light bronze.	Each, 40c.
Bernice. Pink and gold blend.	Each, 40c.
Golden Queen. Rich deep yellow.	Each, 40c.
Johnny Peppin. Dark red.	Each, 40c.
Little Elk. Rich bronze.	Each, 40c.
Little Herman. Red and white bicolor.	Each, 40c.
Little Snow White. Pure white.	Each, 50c.
Sherry. Deep wine-red.	Each, 40c.

MINIATURES

Andries Selecta. (M. S. Cac.) Pink and white blend.	Each, 50c.
Baby Hale. (M. F. Dec.) New fine bronze.	Each, 50c.
Blue Belle. (M. F. Dec.) Bluish violet.	Each, 50c.
Bo Peep. (M. B.) Clear light purple.	Each, 50c.
Coralette. (M. F. Dec.) Beautiful coral-pink.	Each, 50c.
Little Fireball. (M. F. Dec.) Brightest red, dark foliage.	Each, 50c.
Little Wisteria. (M. F. Dec.) Fine new lavender.	Each, 50c.
Roseata. (M. F. Dec.) Standard florist's pink.	Each, 50c.
White Fawn. (M. F. Dec.) Pure white; fine.	Each, 50c.



Regal Lily

Hardy Garden Lilies

Regal (*Lilium Myriophyllum*). It is a pure waxy white, with a lemon-yellow throat and a trumpet about 6 inches long, and when the flower is fully developed, it is about 7 inches across; 2 to 2½ inches in diameter. **Each, 35c.**

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites. Height 3 feet. Flowers in August and September. **Each, 75c.**

Auratum (Golden Banded Lily). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant. **Each, 75c.**

Amaryllis

(Delivery Spring or Autumn)

Giant American Hybrids. These are for planting in pots only. The flowers are well rounded with overlapping petals and a wide range of colors, 4 to 6 blooms on a stem. **Each, 60c.**

Dwarf Tuberose

An Improved Strain.

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

Excelsior Dwarf Pearl. Improved strain; plant of dwarf habit; blooms earlier and flowers are more double than old strain. **Extra large bulbs, postpaid, each 15c.**

Caladium Esculentum

(Elephant's Ear)

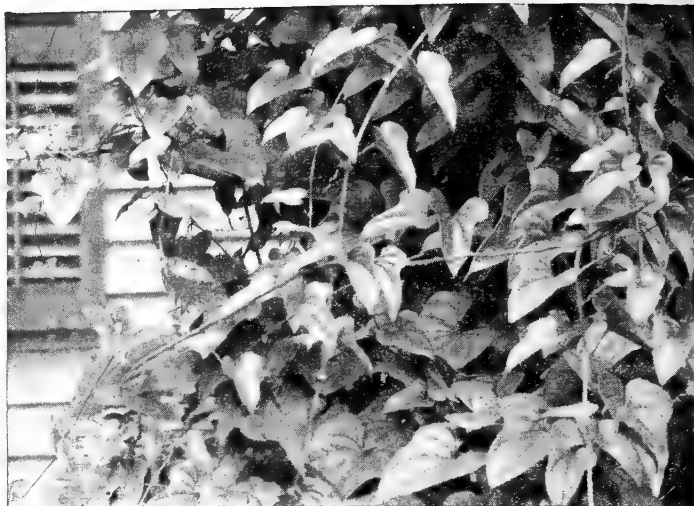
Giant decorative leaves, rich bright green. Soft velvety texture. Splendid for mass planting in shaded locations. Do not plant outdoors until after May 1st. **Each, 30c.**

Tuberous-Rooted BEGONIAS

Desirable for shady places. Start in the house early and set plants in the open ground about the last of May. They will bloom soon and profusely and continuously until frost. Keep constantly moist.

Single Varieties. Dark red, yellow, white, salmon, pink, and mixed colors. **20c each; \$1.90 per doz.**

Double Varieties. Dark red, yellow, white, salmon, pink, and mixed colors. **20c each; \$1.90 per doz.**



Cinnamon Vine

Cinnamon Vine

Grows 15 to 30 feet. The leaves are green, with a tinge of bronze. The flowers are white, borne in clusters. The vine dies at the end of the season, but the root is hardy. **Postpaid, extra large roots, 12c each; 3 for 35c; doz., \$1.20.**

Madeira Vine

A rapid-growing climber with beautiful, thick, glossy waxlike leaves and bearing profusely in graceful, feathery racemes white flowers which have a fragrance resembling Mignonette. Plant when ground becomes warm. Store tubers in a cold, dry place during winter.

Postpaid, 12c each; doz., \$1.20.

Shade and Ornamental Trees Straight Trunks - Beautifully Branched Well Rooted

Prices at the nursery in Westfield, Mass., and a charge will be made for packing. Heavy shipments will require boxing or crating. When boxes are charged, they may be returned for credit.

	Each		Each
AMERICAN ELM		PIN OAK	
8 to 10 ft.	\$2.50	6 to 8 ft.	\$3.50
10 to 12 ft.	3.25	8 to 10 ft.	5.00
CHINESE ELM		RED OAK	
5 to 6 ft.	1.50	6 to 8 ft.	3.50
6 to 8 ft.	2.00	8 to 10 ft.	5.00
FLOWERING CRAB		SILVER MAPLE	
APPLE		8 to 10 ft.	2.00
4 to 5 ft.	2.00	10 to 12 ft.	3.50
NORWAY MAPLE		SUGAR MAPLE	
8 to 10 ft.	3.50	8 to 10 ft.	4.25
10 to 12 ft.	4.50	10 to 12 ft.	5.00
CRIMSON KING		WHITE FLOWERING	
MAPLE		DOGWOOD	
6 to 8 ft. whips only	4.50	3 to 4 ft.	3.50
JAPANESE CHERRY		4 to 5 ft.	5.00
KWANSAN		CUTLEAF BIRCH,	
5 to 6 ft.	3.00	WEeping	
		5 to 6 ft.	4.00

Raffia for Tying

Raffia is the straw colored inner skin of a Palm found in Madagascar. It is very strong and tough, but soft and flexible, which makes it the very best material for tying vegetables, plants, vines, etc. It is better than twine, as it does not cut the plants and is much stronger. It is also used for making baskets. Raffia comes in hanks of from 1 to 5 pounds. We offer the best grade. **Price: Per lb., 40c, not postpaid.**



Flowering Shrubs *for Every Home Purpose*

Adapted to every home purpose for variety of color, berries and foliage contrast.

**Direct from Nurseries
To You**

Parcel Post Charge: Add 8c for one plant, 2c for each additional plant; or, express shipments will be sent collect.

We Do Not Pay Transportation Charges on These Items.

ALMOND, Double Pink. One of the most charming early flowering shrubs, producing very double, rose colored flowers in great profusion in early spring. Maximum height 6 feet. **18-24 in., 75c each.**

ALTHEA, Pink, Purple or White. One of the latest of flowering shrubs. Blooms are large and very attractive. **3-4 ft., \$1.00 each.**

BUDDLEIA, Charming. A splendid new form. Easily the finest of all Buddleias because of its massive spikes of purple flowers, each illuminated by a brilliant golden eye. Vigorous, free flowering, hardy type. **2-3 ft., 65c each.**

FORSYTHIA (Golden Bell). A profusion of brilliant yellow, bell-shaped flowers before the leaves appear. One of the earliest bloomers. A harbinger of spring. No planting complete without Forsythia. **2-3 ft., 65c each.**

HAMAMELIS Vernalis (Vernal Witch Hazel). A compact shrub about 6 feet tall. Interesting because it may bloom any time between January and spring. **2-3 ft., 75c each.**

HONEYSUCKLE. Pink or White. Medium early bloomer, followed by a profusion of berries that attract robins and other berry-eating birds. **2-3 ft., 65c each.**

HYDRANGEA P. G. Large, pinkish white panicles which literally cover the bush. Blooms late. Very attractive. **18-24 in., 75c each.**

HYDRANGEA A. G. (Hills of Snow). Ball-shaped, snow-white flowers. **18-24 in., 75c each.**

JAPAN QUINCE. Showy scarlet flowers which often obscure the foliage and branches. Very attractive. **2-3 ft., 60c each.**

KOLKOWITZIA Amabilis (Beauty Bush). One of the finest of the newer shrubs, producing long sprays of graceful foliage. Flowers are delicate pink, similar in shape to those of the Weigela, but much smaller. Although a rapid grower, it does not bloom profusely until it becomes thoroughly established. **18-24 in., 75c each.**

LILACS, Purple or White. An old-fashioned shrub which requires no introduction. **75c each.**

ROSA HUGONIS (Golden Rose of China). Graceful shrub 5 to 6 ft. tall. May blooming, covered with soft yellow single flowers with a delicate fragrance. **18-24 in., 90c each.**

SNOWBERRY, Red (Coralberry). Desired for its berries which traverse the stems in unique style. Attracts birds and feeds them abundantly. **18-24 in., 50c each.**

SNOWBERRY, White. Large, white berries that remain far into the winter. Like its companion, Red Snowberry, is especially adapted to shady places. **18-24 in., 50c each.**

SPIRAEA Froebeli. Red flowers. Medium grower and works in advantageously with other shrubs. **15-18 in., 50c each.**

SPIRAEA Trichocarpa (Korean Spirea). An imported variety. Quite unusual. Beautiful white flowers. **2-3 ft., 75c each.**

SPIRAEA Van Houttei. The most popular of all shrubs. A mass of white blooms in May or early June. The King of the Spiraeas. **2-3 ft., 75c each.**

SYRINGA (Mock Orange). A tall growing, free flowering shrub of stately beauty and delicate fragrance. Large, white, starlike blooms with yellow center. **2-3 ft., 75c each.**

SYRINGA, Virginal. Similar to Mock Orange but with large blossoms. Does not grow quite so tall. **75c each.**

WEIGELA Rosea (Pink Weigela). This is an old favorite. Medium to tall growing shrub, covered in June with a profusion of rose colored flowers. Very showy for the shrub border. **60c each.**

Climbing Vines

Very useful for porch shade and wall or fence covering.

AMERICAN BITTERSWEET. 2-year roots. **75c each.**

AMPELOPSIS Veitchi (Boston Ivy). Will cling to brick or concrete walls or chimneys. **Each 75c; 10, \$6.80.**

CLEMATIS Paniculata. Glossy dark green foliage, and covered in the latter part of the summer with starlike, white flowers; fragrant. **Each 75c; 10, \$6.00.**

HALL'S JAPAN HONEYSUCKLE. White blossoms turning to a bright yellow. Trumpet shape. A fast grower with dense foliage. **Each 50c; 10, \$3.80.**

Hedge Plants

CALIFORNIA PRIVET

	Each	10	100
Ovalifolium			
1½ to 2 ft.	\$0.25	\$2.00	\$15.00
2 to 3 ft. ....	.30	2.50	18.00
Ibodium			
1½ to 2 ft. ....	.20	1.50	12.00
2 to 3 ft. ....	.25	2.00	15.00



FRUIT for Farm and Suburban Homes

Trees will be shipped direct from the nursery at Westfield, Mass., by Parcel Post or Express, our option. Purchaser to pay transportation charges. Add 20c for first tree—8c for each additional tree if sent by Parcel Post.

APPLE TREES

Only the Best Varieties Listed

All trees are standard size.

2-year Apples, \$1.25 each; \$10.50 per 10.

Baldwin. Red. Winter. An old favorite.

Cortland. Red. Autumn. Similar to McIntosh. Two weeks later.

Northern Spy. Winter. Red and yellow striped. One of the best eating Apples.

Red Delicious. Winter. Red. Superior to regular Delicious.

McIntosh. October to January. Red. One of the best.

Early McIntosh. Vigorous growth, ready late August, fine for home orchard.

Red Gravenstein. Autumn. Red striped with yellow. Excellent for pies.

Wealthy. Deep red; white flesh.

Delicious. Large, red.

PEACHES

All Freestone. 5-6 ft., \$1.00 each.

Hale-Haven. Yellow.

Golden Jubilee. Yellow.

Elberta. Yellow.

J. H. Hale. Yellow.

Belle of Georgia. White.

Early Elberta. Yellow.

BLACKBERRIES

Transplants, doz., \$2.40; 100, \$15.00.

Alfred. New, seedless, large black.

Eldorado. Extra fine and very hardy; large, sweet berry.

BLUEBERRIES

Cultivated Varieties

2-2½ ft., large paper pots, \$1.75 each; \$15.00 per 10.

Jersey. Large; ripening midseason.

Rancocas. Large; early July.

Rubel. Vigorous; large berries in early July.

Concord. Large; midseason.

Stanley. Midseason, large berry, good color, fine flavor.

CHERRIES

2-year, \$2.00 each.

SOUR

Montmorency. Red.

SWEET

Schmidt's Biggareau. Black; heart-shaped.

Napoleon. Large yellow.

Windsor. Large, liver colored.

Black Tartarian.

PEARS

Plant These Juicy, Tender, Richly Flavored Pears. Enjoy Delicious Fruit

No. 1 Grade, Standard,

2-year, \$2.00 each.

Bartlett. An every purpose Pear. Excellent for canning. Fruit large, pyramidal. August and September.

Seckel. Small; attractive in color. Tree vigorous; bears late.

Sheldon. Round in form. Dark green covered with russet. Rich flavor. The tree is a vigorous grower. Unexcelled for home planting. October and November.

Clapp's Favorite. Late summer, lemon yellow, very juicy, delicious flavor.

CRAB APPLES

6 to 7 ft., \$1.25 each.

Hyslop. Dark crimson; large.

Transcendent. Red.

STRAWBERRY PLANTS

Extra Strong Roots—For Berries

Next Year—Plants are Freshly

Dug for Each Order.

Prices Delivered:

Runner Plants only—25 plants for \$1.25; 50 for \$2.25; 100 for \$4.00.

Catskill. Midseason. An old standard variety. Rich color.

Fairland. Midseason, large bright red fruit, a good berry for home use.

Fairfax. Early. Uniform large fruit.

Howard 17. Early. A best early; pointed berry.

Robinson. Midseason. Scarlet-red, firm berry.

Sparkle. Midseason, very hardy plant, firm bright red berries, delicious flavor.

EVERBEARING VARIETIES

25 plants, \$1.75; 50 for \$3.25;

100 for \$6.00.

Gemzata. Large, attractive fruit; heavy cropper.

Streamliner. Jumbo size; very sweet; glossy red.

GRAPE VINES

2-year, 50c each; \$4.50 per 10.

Brighton. Red.

Caco. Red.

Concord. Blue-black.

Delaware. Red.

Diamond. White.

Fredonia. Early. Blue-black.

Green Mountain. White.

Moore's Early. Blue-black.

Niagara. White.

Worden. Blue-black.

PLUMS

No. 1 Grade, 1-yr., 11/16 inch, \$2.00 each.

JAPANESE PLUMS

Abundance. Medium size; bright cherry-red.

Burbank. Large, nearly globular; clear cherry-red.

EUROPEAN PLUMS

German Prune. Dark purple.

Stanley Prune. Large, dark blue, greenish yellow flesh; sweet; free-stone.

RASPBERRIES

Transplants, doz., \$2.75; 100, \$18.00.

Indian Summer. The best everbearing red Raspberry. Produces two crops in one year.

Latham. Fruit is of large size, deep red.

Newburgh. Large, sweet berry. Very productive. One of the good new sorts.

VEGETABLE SEED INFORMATION

PLANTING DATES — DISTANCES — MATURITIES

CROP	VARIETY	DAYS TO MATURITY	AMOUNT OF SEEDS OR PLANTS PER 100 FT. ROW	DATES SEEDS OR PLANTS MAY BE PLANTED**	INCHES BETWEEN ROWS	INCHES BETWEEN PLANTS	PLANTING DEPTH INCHES	REMARKS
★ BEANS	Stringless Greenpod	40-60	1 lb.	May 1-July 15	30	2-4	1	Can be planted in hills 4 seeds every 12 inches
	Pencil Pod Wax	40-60	1 lb.	May 1-July 15	30	2-4	1	
	Bountiful	40-60	1 lb.	May 1-July 15	30	2-4	1	
	French Horticultural	75-85	1 lb.	May 1-July 15	30	2-4	1	
	Lima	75-80	1 lb.	May 15-June 15	30	2-4	1	Use 4 plants to one pole Use thinnings for greens
	Fordhook Bush	65-75	1 lb.	May 15-June 15	36	2-4	1	
	Kentucky Wonder	60-70	1 oz.	Apr. 15-Aug. 1	12-15	2-4	1/2	
	Crosby Egyptian	60-65	1/4 oz.	Apr. 15-July 15	36	18	1/2	
	Detroit Dark Red	60-70	1 oz.	Apr. 15-July 15	36	18	1/2	Can also be used for late crop
	Italian Green Sprouting	60-65	1/4 oz.	Apr. 15-July 15	36	18	1/2	
★ BROCCOLI	Copenhagen Market	60-70	1/4 oz. or 66 plants	Apr. 1-July 15	24	18	1/2	Can also be used for late crop
	Danish Ballhead	100	1/4 oz. or 50 plants	July 1-July 15	36	24	1/2	
★ CARROTS	Imperator	70-75	1/2 oz.	Apr. 15-July 15	12-15	2-4	1/2	Chantenay and Imperator for early
	Early Chantenay	50-60	1/4 oz.	Apr. 15-July 15	30	18-24	1/2	Danvers for storage
★ CAULIFLOWER	Snowball	60-65	1/4 oz.	Apr. 15-July 15	30	18-24	1/2	Set plants in April or July
	Golden Plume	115-120	1 pkt. or 600 plants	Apr. 25-July 15	24-30	6-8	1/4	Blanch with paper or boards
★ CELERY	Pascal or Utah	120-125	1 pkt. or 600 plants	July 1-July 15	30	6-8	1/8	Bank with soil or store for winter
★ SWEET CORN	Golden Early Market	70-80	1/4 lb.	May 1-July 1	30	24 hills	1	Plant 3-4 plants per hill
	Golden Bantam	90	1/4 lb.	June 1-July 1	36	24 hills	1	Make 2 or 3 plantings at 2 week intervals
★ CUCUMBERS	Golden Cross Bantam	60-65	1/2 oz.	May 15-June 1	48	48 hills	1/2	3-4 plants per hill
	Straight Eight or White Spine	75-85	1/4 oz.	Apr. 15-July 15	12-18	10-15	1/4	Plant New York only in April and set plants if possible
★ LETTUCE	White Big Boston	100-120	1 oz.	Apr. 15-May 15	13-15	2-3	1/2	Can be used for green onions
	New York No. 12	85-90	2 qts.	Apr. 1-May 15	13-15	2-3	1-2	Will keep in ground all winter
★ ONIONS	Danvers Yellow Globe	100-120	1 oz.	Apr. 15-May 15	13-15	2-3	1/2	Can be used for green onions
	White or Yellow Onion Sets	120-125	1/2 oz.	Apr. 15-May 15	24	2-4	1/2	Will keep in ground all winter
★ PARSNIP	Hollow Crown	60-65	1 lb.	Apr. 1-Apr. 30	30	1-2	1-2	Must be brushed
	Laxton's Progress	75-80	1 lb.	Apr. 1	36	1-2	1-2	Start seed in hotbed
★ PEAS	Telephone	70-75	1 pkt.	May 15-June 1	30	12-18	1/2	Start seed in hotbed
	World Beater	85-110	1/2 pk.	May 1-June 1	30	12	1/2	Late varieties best for winter storage
★ POTATOES	Irish Cobbler	25-28	1 oz.	Apr. 1-Aug. 15	12	1	1/4	Plant frequently in small amounts
	Green Mountain	1 year	50	Apr. 15-May 15	36	24	3-4	Crowns covered 3"-4"
★ RADISHES	Scarlet Globe	40-45	1 oz.	Apr. 1-Aug. 15	12	1-2	1/4	Shoots to seed in July and August
	Victoria	Summer Savoy	1 oz.	Apr. 1-Aug. 15	12	1-2	1/4	Shoots to seed in July and August
★ RHUBARB	Long Standing	55-60	1/2 oz.	May 10-May 30	48	48 hills	1/2	3-4 plants per hill
	Summer Savoy	100-110	1/2 oz.	May 15-June 1	72	60 hills	1/2	3-4 plants per hill
★ SQUASH	Delicious or Hubbard	70-75	1 pkt.	May 15-June 1	120	96	1/2	3-4 plants per hill
	Bonny Best	70-75	1 pkt.	May 25-June 1	36	24	1/4	Start in hotbed Mar. 1-15. Stake and prune to one stem
★ TOMATO	Marglobe	55-60	1/2 oz.	May 10-May 30	48	48 hills	1/2	3-4 plants per hill
	Comet (Trellis)	55-60	1/2 oz.	May 15-June 1	72	60 hills	1/2	3-4 plants per hill
★ TURNIP	Purple Top Flat or Globe	55-60	1/4 oz.	Apr. 15-July 15	30	2-4	1/2	Plant as late as August
	American Purple Top	75	1/4 oz.	May 15-June 15	36	4-6	1/4	Plant not later than July
★ RUTABAGAS	Purple Top Flat or Globe	55-60	1/4 oz.	Apr. 15-July 15	30	2-4	1/2	Plant as late as August
	American Purple Top	75	1/4 oz.	May 15-June 15	36	4-6	1/4	Plant not later than July

★Make several plantings. Do not plant too much at one time.

★Planting dates are based on state-wide conditions and therefore must be adjusted to that part of the state where gardener is located.

3 GREAT GARDENING AIDS

PRODUCTS BY SWIFT & COMPANY



***VIGORO** . . . complete, balanced plant food. Supplies **all** the essential food elements plants must get from the soil for best growth and development. Used by gardeners the nation over for lawns, flowers, vegetables, trees and shrubs. Include Vigoro on your seed order! Enjoy finest success with everything you grow!

VIGORO PRICES

100-lb. bag	\$4.50
25-lb. bag	1.70
10-lb. pkg.	.90
5-lb. pkg.	.50
1-lb. pkg.	.15

*Vigoro is the trade-mark for Swift & Company's complete, balanced plant food.

END O PEST . . . all the protection most gardens need against the three major types of pests—chewing insects, sucking insects and fungus diseases. Comes ready to use in a handy dust gun of new and exclusive design, and in economy size for larger areas.

PRICES

Dust Gun Package	\$0.98
Refill Cartridge	.75
Pouring Spout Package (2 lbs.)	1.98
House Plant Special (4-oz. sifter top pkg.)	.35

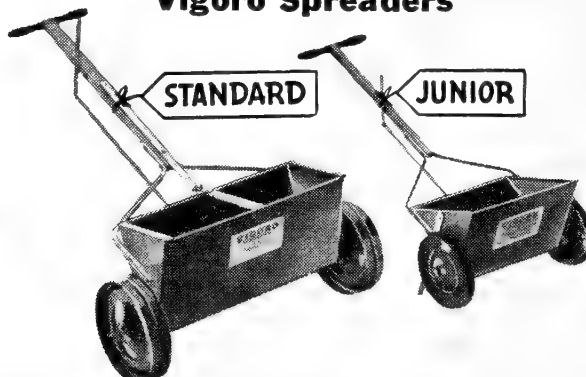
END O WEED . . . improved selective lawn weed control destroys over 100 different weeds—roots and all. Will not harm ordinary grass. Just mix with water, then spray, using "Side Spray" applicator or any other spraying device.

PRICES

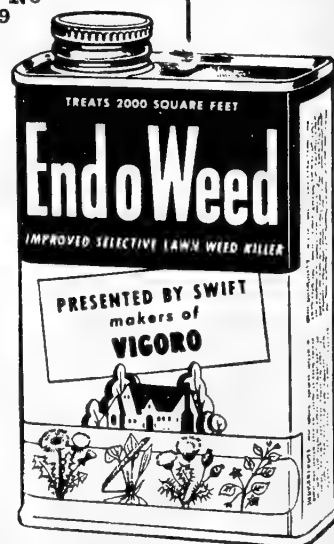
Half-pint can	\$1.00
Quart can	2.75
Gallon can	7.50
Packet of Powder	.25
"Side Spray"—Sprays measured amount of EndoWeed to the side as you walk along. No wet feet!	\$0.59



Vigoro Spreaders



Model 9. 16-in. spreading width, capacity 20 lbs., steel wheels. **Price: \$5.95.**
Model B9R. 16-in. spreading width, capacity 20 lbs., rubber-tired wheels. **Price: \$6.85.**
Junior Model. 16-in. spreading width, capacity 40 lbs., rubber-tired wheels. **Price: \$10.25.**
Standard 9. 24-in. spreading width, capacity 75 lbs., steel wheels. **Price: \$23.25.**
Standard 9R. As above with rubber-tired wheels. **Price: \$27.95.**
Special 9. 36-in. spreading width, capacity 115 lbs., steel wheels. **Price: \$29.95.**
Special 9R. As above with rubber-tired wheels. **Price: \$34.65.**



**SUDBURY
SOIL TESTING
KITS**
See Page 80

**BIRD'S
VITA-BANDS
TOM THUMB
FLATS**
See Page 84

General List of Fertilizers and Soil Builders

For Your "GARDEN" Use
Armour's 5-10-5 Garden Fertilizer



Armour's 5-10-5 Garden Fertilizer is the best all-around fertilizer for use around the home and in your gardens. Price: 25-lb. bag, \$1.50; 50-lb. bag, \$2.75; 100-lb. bag, \$4.00; 500 lbs. to 900 lbs., \$3.80

per 100 lbs.; 1,000 lbs. to 1,900 lbs., \$3.60 per 100 lbs.; 2,000 lbs. or 1 ton or more, \$3.40 per 100 lbs.

LEE MAGNESIUM GROUND LIMESTONE. A magnesium limestone particularly suitable for soils showing a deficiency of magnesium. Price per 100-lb. bag, \$1.10; 500 lbs., \$5.00. Ton prices on request.

TOBEY GROUND LIMESTONE. A high calcium, finely ground limestone. Price per 100-lb. bag, \$1.10; 500 lbs., \$5.00. Ton prices on request.

AGRICULTURAL HYDRATED LIME. Price: 50-lb. bag, 90c; 100 lbs., \$1.65. Ton prices on request.

CHEMICALLY HYDRATED LIME. For spraying. Price: 50-lb. bag, \$1.00; 100 lbs., \$1.85. Ton prices on request.



SUPER PHOSPHATE 20%. Per bag, 100 lbs., \$2.60.

IMPORTED GROUND PEAT FOR HORTICULTURISTS. Finely ground (granulated) peat is of recognized value to the florist, gardener or nurseryman. Market price.

FINE GROUND BONE. 24.7% nitrogen, 23% phosphoric acid. Subject to availability and price.

CALCIUM CHLORIDE. Dust layer and surface binder. One bag will cover about 50 square yards. Used also as an anti-freeze. Sold in 100-lb. bags only. 100-lb. bag, \$3.45. Prices for larger quantities on request.

TOBACCO DUST. Fine, ground; for greenhouse use this is one of the best articles for dusting all kinds of plants that are affected with insects of any kind. Per bag of 100 lbs., \$5.00; 50-lb. bag, \$2.75; 5 lbs., 65c.



Nit.	A.P.A.	Pot.	Prices Quoted on Request
4	12	8	
5	8	7	
5	10	10	
4	12	4	
7	7	7	

20% Super Phosphate—Nitrate of Soda
These fertilizers sold only in 500-lb. lots or more.

Home Plant Food

By **ARMOUR**

Armour VELVET-GREEN Plant Food

New Beauty, New Success, With All Growing Plants



"Velvetgreen" is a scientifically prepared, complete plant food made especially for lawns, flowers, shrubs, fruits, vegetables and trees. It contains in concentrated, readily available forms, major and minor plant food elements needed for healthy, vigorous growth. As combined in "Velvetgreen," these elements make an amazing difference in plant germination, growth, health and beauty. Price: 100-lb. bag, \$4.50; 25-lb. bag, \$1.70; 10-lb. bag, 90c; 5-lb. bag, 50c; 1-lb. bag, 15c.

Velvetgreen is a high quality, scientifically blended plant food, for lawns, flowers, shrubs, trees, vegetables. Contains nitrogen, phosphorus and potash, besides several other important plant food elements. Clean, odorless, easy to apply. Used with outstanding success by thousands.

COMPO
TURNS COMPOST INTO ORGANIC MANURE

Convert leaves, weeds, vines, grass clippings, etc., into rich organic manure and return to soil for enrichment. Use COMPO, the improved compost developer.

7½-lb. Carton.....\$1.25
(Makes 375 lbs. Organic Manure)

25-lb. Carton.....2.50
(Makes 1250 lbs. Organic Manure)

50-lb. Carton.....4.50
(Makes 2½ Tons Organic Manure)



The Original Plant Food Tablets. They are designed for use by all who grow plants. Simply insert a tablet in the soil near each plant or dissolve 4 tablets per gallon of water. Price:

10-tablet pkg., 15c; 30-tablet pkg., 35c; 100-tablet pkg., \$1.00; 1000-tablet pkg., \$5.00.

Adco—For Making Artificial Manure
150 lbs. of Adco converts leaves, garden refuse or other waste vegetation into 3 tons of artificial manure by a simple composting method. Home owners, vegetable growers or florists can profit by its use. 7½-lb. pkg., \$1.25; 25-lb. bag, \$2.50; 100 lbs. (4-25's), \$9.50.



Bovung is Cow Manure in a Convenient and Concentrated Form

- ★ BOVUNG is absolutely free from live weed seeds.
- ★ BOVUNG can be applied without fear of burning or harmful results.
- ★ BOVUNG supplies plant food as the plant needs it.
- ★ BOVUNG is clean, convenient to handle and is reasonable in price.

Prices: 25-lb. bag, \$1.40; 50-lb. bag, \$2.45; 2 bags (or 100 lbs.), \$4.60; 500 lbs., \$22.00; 1,000 lbs., \$42.00; ton, \$79.00.

Pulverized Sheep Manure

A standard dressing for lawns, also excellent for shrubs and flowers. Apply at the rate of about 50 lbs. per 1000 sq. ft. Prices: 25-lb. bag, \$1.30; 50-lb. bag, \$2.25; 100-lb. bag, \$3.75; ton, \$65.00.

Driconure



A garden and lawn top dressing and soil improver. This ideal plant food combines poultry and cow manure with peat moss. Clean, easy to use;

will not burn. Large 2-bu. bags, sufficient for top dressing 1000 sq. ft. lawn area or fertilizing 250 sq. ft. garden area. Price: Per 50-lb. bag (containing approx. 2 bus.), \$2.35; 10-bag lots, \$2.25 per bag; 20-bag lots, \$2.10 per bag.

General List of Fertilizers and Soil Builders

Arnold Sprayers and Cartridges



Germaco

Hotkaps

HELP YOU GROW EARLIER, HARDIER VEGETABLES and FLOWERS

Germaco HOTKAPS—strong little hot houses—protect plants from destructive frost, storms, insects. University Agricultural Experiment Station tests prove HOTKAPS increase total yield 18% to 51%, promote bigger fruits and vegetables, ripen plants 3 weeks earlier. Quick, easy to set, instructions on package. 100 million used by successful growers. Beat everyone with first vegetables, flowers. Order today. **25 Hotkaps with cardboard setter, 60c. Postage extra.**

Market Growers: University tests prove Germaco HOTKAPS nearly **double** your **early** marketable yield per acre, help you get highest out-of-season prices. Premium profits pay for them many times over. Crop failure is costly—HOTKAPS protection is cheap! Order today.

Millions of HOTKAPS are used every season. Inexpensive to buy. One man can set out 2000 or more per day.

1,000 lots, \$14.65; 5,000 lots, \$14.50 per M; 10,000 lots, \$14.35 per M; 25,000 lots, \$14.20 per M; 250 Pkg. with Fiberboard Setter, \$4.65; 100 Pkg. with Fiberboard Setter, \$2.75; 25 Home Garden Pkg. with Setter, 70c; Steel Setter, \$1.95; Fiberboard Garden Setter, 20c.

Weight: 1000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package, 5 lbs.; Home Garden Package, 2 lbs.; Steel HOTKAPS Setter, 4 lbs.

Postage extra. Write for Free Booklet.

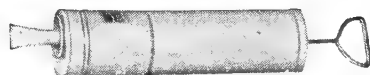


Old Deerfield Lawnshrub Fertilizer 6-5-5

Old Deerfield Lawnshrub is an excellent fertilizer for Lawns, Shrubs, Trees and Flowers. Four to five pounds per 100 square feet is recommended as a lawn top dressing. Complete circular on request. **Price: Per 100 lbs., \$4.75; per ton, \$87.00.**



Niagara Dusters



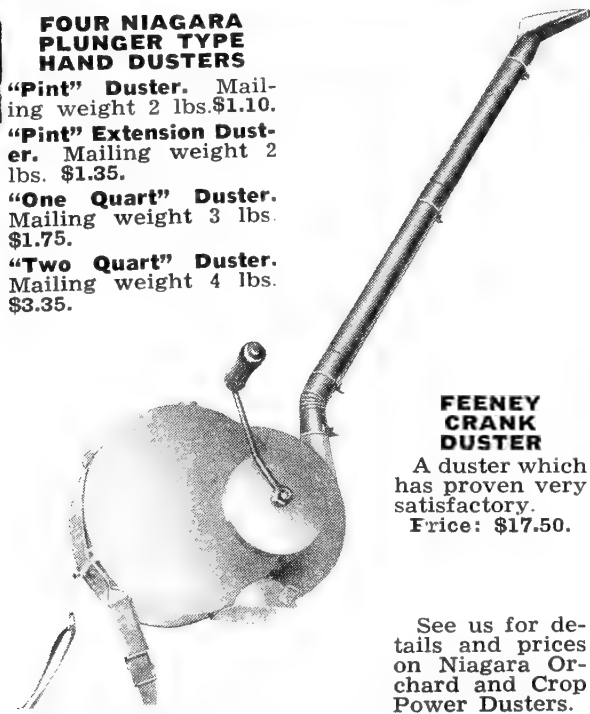
FOUR NIAGARA PLUNGER TYPE HAND DUSTERS

"Pint" Duster. Mailing weight 2 lbs. \$1.10.

"Pint" Extension Duster. Mailing weight 2 lbs. \$1.35.

"One Quart" Duster. Mailing weight 3 lbs. \$1.75.

"Two Quart" Duster. Mailing weight 4 lbs. \$3.35.



FEENEY CRANK DUSTER

A duster which has proven very satisfactory. **Price: \$17.50.**

See us for details and prices on Niagara Orchard and Crop Power Dusters.



ARNOLD GARDEN HOSE INSECTICIDE SPRAYER AND CARTRIDGES

ARNOLD GARDEN HOSE SPRAYER. Stationary nozzle, chrome finish. \$4.50 each.

ARNOLD GARDEN HOSE SPRAYER. Stationary nozzle, brass finish. \$4.00 each.

For either of the above sprayers with adjustable nozzle, add \$1.00.

CRYOLITESPRAY CARTRIDGE. A non-poisonous control for chewing insects. 35c each; 12 for \$4.00.

WEED-O-SPRAY CARTRIDGES. Weed-O-Spray cartridges contain a chemical known as 2-4-D. 35c each; 12 for \$4.00.

ARSEN-O-SPRAY. For the control of all chewing insects. 35c each; 12 for \$4.00.

SULPH-O-SPRAY. Will control fungous diseases which can be controlled by a sulphur spray. 35c each; 12 for \$4.00.

FUNGUSPRAY. A bordeaux spray for the control of certain leaf spots and blights. 35c each; 12 for \$4.00.

VITAMIN B1. A stimulant for root growth on all types of plants. 35c each; 12 for \$4.00.

P-R (Pyrethrum-Rotenone). For control of Aphis, Bean Beetle, Rose Chafer, Thrips, etc. 35c each; 12 for \$4.00.

"ARNOLD" DDT CARTRIDGES. 35c each; 12 for \$4.00.

MILORGANITE The Ideal Fertilizer

FOR LAWNS, GARDENS, FLOWERS, SHRUBS AND TREES

By using Milorganite you can have a finer, more luxuriant lawn—deep green grass of uniform color and growth, weed-free turf of velvety texture. Promotes steady, uniform growth. Milorganite "has what it takes" for healthy continuous plant growth. Packed in 100-lb. bags only. 100-lb. bag, \$3.75; ½-ton lots, \$3.60 per 100 lbs.; ton lots, \$37.00 per ton; 50-lb. bag, \$2.50; 25-lb. bag, \$1.50.



PLANTABBS

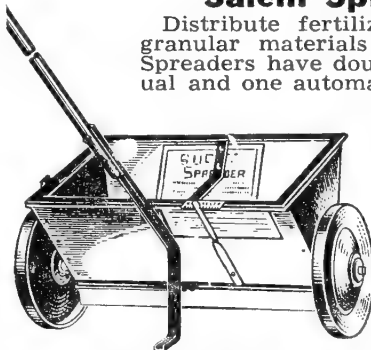


Plantabbs now contain Vitamin B1. Vitamin B1 is combined with Plantabbs. B1 is not a fertilizer or food. It simply acts to release and magnify the food in soil. If the soil is poor, there is no food to release. Therefore, Plantabbs supply a complete, balanced food and Vitamin B1 magnifies its value.

Small pkg. (30 tablets), 25c; postpaid, 30c. 75-tablet pkg., 50c; postpaid, 55c. 200-tablet pkg., \$1.00; postpaid, \$1.10. Professional size, \$3.50; postpaid \$3.60.

Salem Spreaders

Distribute fertilizer, grass seed and other granular materials exactly as required. All Spreaders have double feed control—one manual and one automatic. A size for every need.



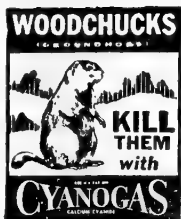
Salem 16-inch Spreader. Spreading width, 18 in.; hopper capacity, 22 lbs.; rubber-tired wheels, shipping wt., 13 lbs. **Price: \$7.50.**

Salem 20-inch Spreader. Spreading width, 22 in.; hopper capacity, 40 lbs.; rubber-tired wheels, shipping weight, 19 lbs. **Price: \$11.50.**

Salem 30-in. Spreader. Spreading width, 30 inches; hopper capacity, 80 lbs.; wheels have 2½-in. tread, 12 inches in diameter; shipping weight, 35 lbs. **Price: \$17.50.**

Salem Heavy-Duty 36-in. Spreader. Spreading width, 36 inches; capacity, 125 lbs. of fertilizer or other material. The wheels are 18 inches in diameter with 2½-in. tread. Shipping weight, 80 lbs. **Price: \$35.50.**

Remedies for Insects, Fungus, Etc.



Cyanogas

When exposed to the air, Cyanogas A-Dust gives off gas that kills these destructive pests almost instantly. One whiff is enough for any woodchuck. A heaping tablespoonful in each opening is sufficient. All openings should then be closed.

Cyanogas is also certain death to rats, moles and ground squirrels. 1-lb. can, 98c; 5-lb. can, \$3.75; 25-lb. can, \$12.50.

CYANOGEN G. Fumigant for greenhouse fumigating. Price: 5-lb. can, \$3.75; 25-lb. can, \$12.50.



CYANOGEN ANT KILLER. Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance of the nest. This 4-oz. size contains enough Cyanogas to kill a million ants. 4 ozs., 39c.

"Nico-Fume" Powder Pressure-Fumigator

"Nico-Fume" Powder is now packed in hermetically-sealed cans. It is packed in both ½- and 1-lb. cans. Two holes are scored, ready to be punched out. A special lighter is attached to the can. 12 1-lb. tins to case, \$8.35; 6 1-lb. tins, \$4.45; 1-lb. tin, 90c. 12 ½-lb. tins to case, \$4.80; 6 ½-lb. tins, \$2.75; ½-lb. tin, 50c.

NICO-FUME LIQUID. An effective vaporizing liquid. 1 lb., \$2.60; 2 lbs., \$3.45; 8 lbs., \$12.55.



Ready Filled Set

Ready Filled Sets, containing 4 filled feeders, 39c. Syrup, 4-oz. bottle, 20c.

Kills Ants in the Nest ANTROL

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Antrol containers are heavy glass, with rust-proof aluminum lids. Controls both sweet and grease-eating ants.

Antrol Ant Traps

Kills both sweet and grease-eating ants as it contains 2 kinds of specially prepared materials, ready to use by simply punching out the perforations on the side of the can. Antrol Ant Traps, 15c each.

ANTROL ANT SPRAY. 2% Chlor-dane. Price: 1-pt. bottles, 39c each; 1-qt. bottles, 69c each.



BUCKEYE ANTUBE. Economical—Safe—Quick. Used by most all Country Clubs. Household and garden size, 35c. Country Club size, \$1.00 per tube; \$9.25 per doz. tubes.



ANT-X-JELLY BAIT. Ants like the taste of ANT-X, but it is "THEIR LAST MEAL." They carry it back to their nests—destroys the whole colony. Handy, convenient tubes. 1 oz., 35c; 4 ozs., \$1.00.

ANT-X ANT TRAPS. A safe, sanitary method of controlling ants in house and garden. Attracts and destroys both sweet and grease-eating ants. Cannot be opened by children or spilled by pets. ANT-X TRAPS may be placed inside iceboxes or other food containers without contaminating foods. "THEIR LAST MEAL." 25c each.

Stanley's Crow Repellent

The most effective way to prevent crows and other birds from pulling corn is to treat the seed with something that is repellent to them. Stanley's Crow Repellent is excellent for this purpose. The material is non-poisonous, easy to apply, will not injure seed of any kind and will not clog any planter. Directions for treating seed on each can.

½-pt. can, 60c. (Enough for 1 bu. corn.)
1-pt. can, \$1.00. (Enough for 2 bu. corn.)
1-qt. can, \$1.75. (Enough for 4 bu. corn.)
Mailing weight, each 2 lbs.



SNAROL. Cutworms, slugs, snails, grasshoppers, and other annoying pests are quickly exterminated by this amazing preparation. Snarol is a ready prepared meal that you simply broadcast on the ground under the flowers and plants. 1-lb. carton, 35c; 2½-lb. carton, 75c; 6-lb. pkg., \$1.50.

EVER GREEN GARDEN SPRAY. Contains only pyrethrum and is an outstanding garden spray. Non-poisonous. Kills both chewing and sucking insects. 1-oz. bottle, 35c; 6-oz. bottle, \$1.15; 1-pt. bottle, \$2.45; 1-qt. bottle, \$4.10; 1-gal. bottle, \$12.60.



Tri-ogen Spray (Contains Fermate)

Concentrated insect spray and fungicide. Attractive new kit. Tri-ogen spray is a proven product and is the outstanding Rose spray—it has everything—all the previous advantages found only in Tri-ogen—plus Fermate.

"E" Kit, \$1.35

"A" Kit, \$2.25 "B" Kit, \$ 6.00
"C" Kit, 9.00 "D" Kit, 30.00

Tri-ogen Dust

General purpose three-way insecticide-fungicide dust, Tri-ogen Dust (containing Fermate) is extremely valuable to the rosarian who wishes to dust instead of spray. Contains proper blend of DDT, rotenone, Fermate, and sulphur to control both sucking and chewing insects as well as mildew, black spot and certain blights. Solves insect and fungous disease problems effectively and economically. Price: 1-lb. unit, 85c; 5-lb. unit, \$3.50; 25-lb. unit, \$16.25.

FUNGTOGEN. For mildew and black spot on roses and other plants. 4 ozs., 45c; ½ pt., 75c; 1 pt., \$1.25; 1 qt., \$2.00; 1 gal., \$6.00.

MOLOGEN. (In powder form.) Will in no way injure the grass or soil. Eliminates moles from lawns within 2 or 3 days. ½-lb. can, 50c; 1½-lb. can, \$1.25; 5-lb. can, \$4.00.

For successful roses. Rosetone is a proven combination of Vitamins and Hormones. Soak roots of bushes in Rosetone before planting. Water your established rose bushes with Rosetone for better growth. ½-oz. pkt., 25c; 3-oz. can, \$1.00. Add 10c for postage.



thus producing earlier flowering; and in the case of vegetables, earlier crops. Stops damping-off. ¼-oz. pkt., 25c; 2-oz. jar, \$1.00; 1-lb. can, \$5.00. Add 10c for postage.



Reg. U. S. Pat. Off.
TRANSPLANTONE—the vitamin - hormone plant stimulant. Just mix 1 teaspoonful to a gallon of water, then water the soil around the roots. Stimulates backward plants and regenerates roots. Use on seedlings, shrubs, rose bushes and trees. 1 oz. makes 1000 gallons solution. ½-oz. pkt., 25c; 3-oz. can, \$1.00; 1-lb. can, \$4.00. Add 10c for postage.

Crow-Fez

Crow-Fez for use on seed corn gives the surest protection against corn pests. It protects corn during the period when it is most easily damaged, by ridding your fields of crows and other corn-pulling birds and rodents. It also helps seed rot and hastens germination.

½-pint can (enough for 1 bushel) \$0.55
1-pint can (enough for 2 bushels)75
1-quart can (enough for 4 bushels) 1.05
Mailing weight, each 2 lbs.

Remedies for Insects, Fungus, Etc.

BLACK LEAF 40. (Nicotine Sulphate, Nicotine 40 Per Cent.) Is the best known remedy for potato lice, thrips, leaf hoppers, etc., and other similar insects. Use about 1 to 1000 or 1 oz. will make 6 gallons of solution. 1 oz., 36c; 5 ozs., \$1.05; 1 lb., \$2.42; 2 lbs., \$4.15; 5 lbs., \$7.50; 10 lbs., \$13.75; 50-lb. drum, \$58.50.

HERBICIDE. A powerful and economical chemical for destroying unsightly weed growth on paths, driveways, cobble gutters, tennis courts, etc. For ordinary grass and weeds, 1 gallon of Herbicide diluted with 50 gallons of water will cover approximately 1000 sq. ft. Kills poison ivy and other noxious forms of vegetation. Price: 1-qt. can, 75c; 1-gal. can, \$2.00; 5-gal. can, \$8.00; 30-gal. drum, \$33.00; 55-gal. drum, \$49.50.

GRAFTING WAX. Prices: 1/4 lb., 30c; 1/2 lb., 45c; 1 lb., 70c. **CREOSOTE FOR GYPSY MOTHS.** For the destruction of the eggs of gypsy moth. Qt., 50c, shipping weight 3 lbs.; gal., \$1.25, weight 9 lbs.; 5-gal. can, \$4.50.

CABOT'S TREE HEALING PAINT. 1 qt., 45c; 1 gal., \$1.20; 5 gals., \$5.00. Barrel lots, price on request.

COAL TAR. For tarring corn to prevent crows from pulling it. 1/2 pt., 15c; 1 pt., 25c; qt., 40c. Shipping weight 2 lbs. and 4 lbs.

WILSON'S O. K. PLANT SPRAY. An excellent general contact spray for garden or greenhouse. Dilute 1 qt. to 10 gals. water. Kills aphid, thrip, red spider, lace wing fly on Rhododendrons, box mite, currant worms, etc. Prices: 1/2 pt., 40c; 1 qt., \$1.00; 1 gal., \$3.00; 5 gals., \$12.00.

IN-A-MINUTE. Will destroy bugs, roaches and similar vermin. Used for cleaning clothing, ink stains, etc. Price: 14-oz. bottle, 50c.

DOLGE WEED KILLER. Kills all growth on tennis courts, walks and drives. Destroys ivy, etc., on walls, fences and courtyards. 1-qt. can (enough for 10 gals.), 98c; 1-gal. can (enough for 40 gals.), \$2.40; 5-gal. can (enough for 200 gals.), \$10.75; 55-gal. bbl. (enough for 2000 gals.), \$85.25, f. o. b. Westport, Conn.

FORMACIDE. (Hammond's.) Stabilized Formaldehyde Dust seed and soil disinfectant used as a control of damping off. 1-lb. can, 85c; 5-lb. can, \$2.50; 25-lb. drum, \$10.00.

FORMALDEHYDE. (Liquid.) Prevents potato diseases and insures a big, healthy crop. 1 lb., 45c.

PINE TAR. Used in the stable for cuts and bruises. 1/2 pt., 20c; pt., 30c; qt., 50c.

CARBOLINEUM. Of the numerous preservative compounds on the market Carbolineum stands alone as time-tried and thoroughly tested. 1-gal. can, \$1.80, weight 11 lbs.; 5-gal. can, \$8.00.



RED ARROW INSECT SPRAY. Effective and non-poisonous. Will not stain or injure tender flowers. A contact spray that will kill both sucking and chewing insects.

1-oz. bottle, 35c; 4 ozs., \$1.00; 1 pt., \$2.85; 1 qt., \$5.00; 1 gal., \$19.00.

HAMMOND'S WEED KILLER. Weeds, poison ivy and all vegetation are easily destroyed with this highly concentrated (stands dilution with 40 parts of water) easy-to-use material. Price: 1-qt. bottle, 70c; 1-gal. can, \$2.00; 5-gal. can, \$9.00.

SEMESAN. For vegetables and flower seeds and bulbs. Generally preserves seeds against rotting in cold, wet soils; controls damping-off or seedling blight and certain other seed-borne diseases. Helps promote increased germination, sturdier growth, larger yields, better grade produce. 1/3-oz. envelope, 20c; 2-oz. pkg., 45c; 12-oz. can, \$2.10; 4-lb. can, \$10.10; 25-lb. pail, \$58.28; 10-lb. drum, \$219.80.

SEMESAN JR. For seed corn. Generally helps protect seed against rotting in the soil and checks forms of seedling blight and root-rot caused by certain fungi (molds) on field, pop or sweet corn. Often improves germination, stands and yields. 1 1/2-oz. pkg., 17c; 12-oz. can, 62c; 25-lb. pail, \$13.85; 100-lb. drum, \$49.95.

SEMESAN BEL. For both Irish and sweet potatoes. Treat Irish potatoes to reduce seed rotting, surface seed-borne Rhizoctonia and scab. 2-oz. pkg., 35c; 1 lb. can, \$1.83; 4-lb. can, \$6.33; 40-lb. drum, \$59.00; 100-lb. drum, \$138.75.

SPECIAL SEMESAN. For lawns, golf courses and other fine turfs. A fungicide used especially to prevent or control large brown patch and dollar spot. Apply as a liquid. 1-lb. can, \$2.00; 4-lb. can, \$6.92; 25-lb. pail, \$39.96; 100-lb. drum, \$149.85.

TERSAN. Tersan is an exceptionally effective non-mercurial for prevention or control of large brown patch and dollar spot on golf courses, grass tennis courts, lawns and other fine turfs. 8-oz. can, 80c; 4-lb. can, \$5.16; 25-lb. drum, \$30.00; 100-lb. drum, \$115.00.

DU PONT F-531. A cadmium fungicide for the control of dollar spot on golf courses, lawns and other fine turfs. 4-lb. can, \$6.75; 25-lb. drum, \$37.50; 100-lb. drum, \$140.00.



NOTT PRODUCTS

RAT-NOTS. A safe, scientific way to exterminate rats. Prepared bait containing Red Squill—NOT A POISON. Household size, 25c; Estate size, \$1.00.

MOUSE-NOTS. A meaty, easily hulled, treated seed bait which appeals to the finicky taste of mice and it is "THEIR LAST MEAL." Household size, 25c; Estate size, \$1.00.

ROACH-NOTS. Prepared powder bait for roach pests that infest damp homes, cellars, stores, factories, warehouses. Certain to kill them in droves. Household size, 25c; Estate size, \$1.00.

MOLE-NOTS. Kills moles in their holes. An attractive rodent food for these pests and will help exterminate them. Household size, 35c; Estate size, \$1.00.

KILMICE. A treated, tasty, impregnated seed bait which quickly destroys mice in house and garden. Easy to use—clean, sanitary, no mixing—no traps needed. "THEIR LAST MEAL." Large 2 1/2-oz. pkg., 25c.

DOG-CHECK. An effective proven curb to canine habits, needed by all whose neighbor's dogs "visit" and wither flowers, shrubs, hedges and saplings. One spraying usually lasts from 2 to 3 weeks. Unaffected by light rain. 3-oz. bottle, 60c; 8-oz. bottle, \$1.00.

NOTT'S RAT PASTE (5% Antu) is packaged in handy tube for mixing with baits. (Formerly called Rat-Not Paste). 1-oz. tube, 35c.

NOTT'S RAT-TU. A superior rat killer packed with death-dealing "Antu." Sure kill by tracking, baiting, in drinking water. Rat-Tu (25% Antu): 2-oz. canister, 60c. Rat-Tu (5% Antu): 2-oz. canister, 35c.

K-R-O KILLS-RATS-ONLY

Mixed, \$1.00; postpaid, \$1.10.

Mixed, 35c; postpaid, 45c.

RAT-NIP. Mows them down with ease. Quickly kills even the fiercest old ones. 25 years of success. Tube, 35c.

TOPZOL RAT BAITS. Kills rats and mice only. Safe, economical and simple to use. Pkg., 15c.

Carbola Paints and Also Disinfects

CARBOLA WITH DDT. A white paint and powerful disinfectant combined in powder form. Easily, quickly applied to building interiors with brush or spray pump. Disinfects, dries pure white. Price: 1 lb., 30c; 5-lb. pkg., 85c; 10-lb. pkg., \$1.35; 25-lb. carton, \$3.00; 50-lb. carton, \$5.50.

TAT C-LECT "SELECTIVE" Crab Grass Killer. A unique chemical compound containing PMAS (Phenylmercuric acetate). It possesses the property of selectively destroying matured crab grass and crab grass seedlings, and retarding germination of crab grass seed. Price: 8-oz. bottle (makes 4 gals.), 85c; 16-oz. bottle (makes 8 gals.), \$1.50.

ZOTOX—Crab Grass Killer. ZOTOX, a new liquid chemical, kills both the plant and seeds of crab grass and checks reinfestation. Does not destroy lawn grasses and is non-injurious to soil. Proved by four years of tests. This new easy method does away with laborious raking and weeding. Simply mix ZOTOX with water and spray it on. A 16-oz. bottle treats 2000 sq. ft. For "spot" treatment of small patches it goes much farther. Prices: 8-oz. bottle, \$1.00; 16-oz. bottle, \$1.50; 32 ozs., \$2.50; 5 lbs., \$4.50. Ask for free literature.

SUDBURY LIQUID CHAPERONE. Dogs stay away from anything sprayed with Sudbury Liquid Chaperone. You don't smell it—but dogs do. Protects shrubs, trees, flowers, vegetables, garbage pails, etc. Harmless—does not show. Each application lasts up to 3 weeks, rain or shine. Also effective with cats, other animals. 4-oz. bottle, 60c; 12-oz. bottle, \$1.25.

Liquid Chaperone has also proven effective for keeping rabbits and other rodents out of gardens. Specify Rabbit Chaperone, if wanted.

SUDBURY POWDER CHAPERONE. Keeps your dog off anything you want to protect—rugs, furniture, etc. Easy way to train. Harmless. Just shake on some Powder Chaperone—your dog smells it, you don't. Does not injure even finest fabrics. Prevents puppy damage—use on slippers, drapes, etc. Keeps male dogs away from female. Small pkg., 50c; 7-in. economy pkg., \$1.00.



Insecticides and Fungicides

Niagara Brand

FARM AND GARDEN BRAND

Packaged and formulated for the farm garden and the home garden. Ask for dust and spray schedules and for circulars.

CODE 925 ROTENONE BEARING DUST OR SPRAY.

CODE 905 ROTENONE BEARING DUST. Both contain .75% rotenone. These are superior, scientifically blended, non-poisonous dusts. For use in the control of Mexican bean beetle, worms on cabbage and broccoli, pea aphids, asparagus beetles and certain chewing and sucking insects on vegetables and ornamentals. 1-lb. sifter-top can, 45c each; 4-lb. bag, \$1.15 each.

CODE 912 C.O.C.S. COPPER ROTENONE BEARING DUST. A vegetable garden specialty containing .75% rotenone and copper as a fungicide in the form of copper oxychloride sulphate. A non-poisonous insecticide-fungicide and repellent dust formulation for the control of such diseases as mildew, leaf spot and blight, and such insects as asparagus beetle, cucumber beetle, cabbage worm, strawberry leaf roller, and many other insects troublesome on vegetables, flowers and ornamentals. 1-lb. sifter-top can, 55c; 4-lb. bag, \$1.45.

CODE 909 C.O.C.S. COPPER MILDEW SPRAY. A highly effective, concentrated fungicide for dependable protection against certain plant diseases of garden crops, fruits, flowers, shade trees and ornamentals. Leaves no conspicuous residue and contains no lime. Effective in the control of early and late blight on potatoes and tomatoes, leaf spot on celery, beets and carrots, cherry leaf spot, leaf spot on cucurbits, black spot on roses and mildew on roses, lilacs, phlox, zinnias. 1-lb. can, 65c; 3-lb. bag, \$1.55.

CODE 927 C.O.C.S. POTATOX POTATO DUST OR SPRAY. Contains DDT, and copper. A combined insecticide and fungicide for use as a dust or spray in the control of bugs and blight on potatoes and other vegetables having hardy foliage. Increases yield and quality of crops. For spraying, 6 tablespoonfuls makes 1 gal. of dilute spray, or 4 pounds makes 60 gals. of dilute spray. 1-lb. can, 60c; 4 lbs., \$1.65.

CODE 920 C.O.C.S. CUKE AND MELON DUST. A combined insecticide and fungicide, containing calcium arsenate and copper, for the control of cucumber beetles, wilt, scab, mildew and leaf spot on cucumbers, melons and other cucurbits. Effective and safe, this formulation contains no lime. 4-lb. bag, \$1.00.

CODE 914 WETTABLE DUSTING SULPHUR. Contains 95% sulphur of extreme micron fineness. Can be used as a spray or dust. For control of mildew, leaf spots and wherever a non-caustic sulphur fungicide is called for: peonies, roses, grapes, etc. Packed 2-lb. sifter-top cans, 45c each; 4-lb. bags, 65c each.

CODE 917 KOLO FRUIT TREE DUST OR SPRAY. Contains DDT, basic lead arsenate and Kolo sulphur. A combined insecticide-fungicide formulated for insect and disease control after the dormant stage. Used on apples, peaches, pears, plums, prunes and certain ornamentals. For use as a dust or a spray in the control of codling moth, curculio, tent caterpillar, rose chafer, plant bugs, leaf hoppers, Japanese beetles, apple maggot, oriental fruit moth, peach twig borer, and for such fungous diseases as apple scab, powdery mildew, pear scab, peach scab and brown rot of stone fruits. Three pounds makes 25 gallons of dilute spray. 3-lb. bag, \$1.35.

CODE 919 FRUIT AND VEGETABLE SPRAY. A 50% DDT wettable powder for use in the control of flea beetles, Colorado Potato beetles, and leaf hoppers on potatoes, worms on cabbage, thrips on onions and gladiolus, leaf hoppers on grapes and roses, and codling moths on apples and pears. It goes into solution readily and is compatible with most of the common fungicides and insecticides. Use $\frac{1}{2}$ to 1 pound in 50 gallons of water. Use 1 to 2 level tablespoonfuls in 1 gallon of water. 1-lb. can, 60c; 3-lb. bag, \$1.40.

CODE 916 FRUIT, VEGETABLE AND FLOWER DUST. Contains 3% DDT. For use in the control of Japanese beetle, flea beetle, plant bugs, leaf hoppers, rose chafer, grape berry moth, European corn borer and certain other chewing and sucking insects on fruits, vegetables, flowers and ornamentals. This is a highly effective, economical and efficient insecticide and may be used on a wide variety of crops against insects difficult to control with other materials. Contains no lime. 1-lb. sifter-top can, 40c; 4-lb. bag, 85c.

CODE 910 SCALE OIL. A dormant spray. Controls scale insects on trees, ornamentals and shrubs; also red mite eggs on apple trees. Extremely efficient, economical, mixes readily with water. 1-qt. can, 75c; 1-gal. can, \$1.90; 5-gal. can, \$6.85.

CODE 913 INSECT POWDER. A 10% DDT dust for use in the control of roaches, ants, water bugs, fleas, carpet beetles, silverfish, and other crawling insects. For use in homes, stores, warehouses, restaurants, offices, and wherever else these pests are found. 8-oz. sifter-top can, 35c; 1-lb. sifter-top can, 60c.

CODE 922 B. H. C. LOUSE POWDER. A new and highly effective dust formulation containing benzene hexachloride for the control of lice and certain ticks on cattle, horses, sheep, goats and hogs. This new and highly effective dust preparation quickly eliminates lice and certain ticks, and is easily applied on livestock directly from the sifter-top canister. 1-lb. can, 65c.

CODE 923 2, 4-D WEED KILLER. A dry wettable powder containing 70% active 2, 4-D for lawns, parks, golf courses, fence rows, ditches, pastures, etc. It eliminates dandelions, plantain, poison ivy, pigweed, ragweed, and many other troublesome weeds without injury to grasses. 1-lb. can, \$1.00; 20-oz. can, \$2.60; 10-lb. drum, \$17.00.

CODE 355 NIAGARA VEGETABLE GARDEN DUST OR SPRAY. A general-purpose all-around material that can be dusted on the plants or mixed with water and sprayed. Just exactly the correct combination of Bordeaux and calcium arsenate to do the job. 1-lb. canister, 40c; 4-lb. bag, 85c.

CODE 926 C.O.C.S. 3-7 DUST. Contains 3% DDT and 7% copper. A combined insecticide and fungicide for use in the control of bugs and blight on potatoes, tomatoes, eggplant, peppers and certain other vegetables having hardy foliage. Contains no lime. Price: 1-lb. sifter canister, 50c each; 4-lb. bag, \$1.30.

CODE 929 CHLORDANE DUST OR SPRAY. Contains 6% Chlordane. For use in the control of grasshoppers, blister beetles, leaf miners, mole crickets, Japanese beetles and certain other turf insects. Also ants and roaches in the lawn and home. Price: 1-lb. can, 50c each; 4-lb. bag, \$1.40.

CODE 930 B.H.C. APHIS DUST OR SPRAY. Contains 1.2% gamma isomer of benzene hexachloride refined. A new formulation for aphid control. For use in the control of aphids on tomatoes, cucumbers, melons, cabbage, tobacco. Spittle bug on strawberries, Japanese beetle, and certain other chewing insects on fruits, vegetables, flowers and ornamentals. Price: 1-lb. can, 65c each; 4-lb. bag, \$1.90.

SUNOCO Spray Oil

For scale insects, aphids and red mite on apple trees. The ideal petroleum spray is an oil that will form a perfect and permanent mixture with water. 55-gal. steel drum, per gal., 47c; 2 drums or more, 45 $\frac{1}{4}$ c per gal.; 5-gal. can, per gal., \$1.30; 1-gal. can, per gal., \$1.60.

SCALECIDE. The quality miscible oil. Dormant spray for trees, shrubs and vines. Used by leading fruit growers. Kills scale, insects, eggs, larvae and disease cankers and fungus spores wintering on the plant. Mixes instantly—dilute 1 to 15. 1 qt., weight 3 lbs., \$1.00; 1 gal., weight 9 lbs., \$2.40; 5 gals., \$8.10; 15 gals., \$19.00; 30 gals., \$30.50; 55 gals., \$45.00.

SULFOCIDE. A concentrated liquid sulphur fungicide. Used on both apples and peaches and all kinds of fruits, vegetables and flowers. Controls apple scab, brown rot of peaches, plums and cherries, blight and rot of potatoes, tomatoes, and melons. Used for mildew and rust on flowers and shrubs. Prices: 1 pt., \$1.00; 1 qt., \$1.45; 1 gal., \$3.00; 5 gals., \$9.75; 15 gals., \$22.75; 30 gals., \$40.30; 50 gals., \$66.00.

BARSPROUT

Sprout inhibitor. Amazing new chemical aid for keeping Potatoes stored under normal temperatures without sprouting. The 12-oz. sifter-top canister treats 8 $\frac{1}{4}$ bushels (500 pounds). Simply dust tubers when they are stored. Barsprout is harmless. 12-oz. sifter-top canister, \$1.00; 5-lb. can, \$5.50; 20-lb. drum, \$16.00.

JAPIDEMIC

Milky Disease Spore Dust

Kills the grub of the Japanese beetle in the soil. Grubs of the Japanese beetle when present in large numbers will completely destroy your lawn. Treat your lawn in the summer, spring or fall and kill the grubs of the Japanese beetle in the soil. One pound will treat 4000 square feet, ten to eleven pounds will treat one acre. $\frac{1}{2}$ -lb. can, \$2.75; 1-lb. can, \$5.00.

VOLCK OIL SPRAY. A summer oil spray and spray carrier for use against mealy bugs, scale insects, red spider and white flies on plants. (Replaces "Nursery Volck" and "Volck Nursery and Garden Volck".) 4-oz. size, 35c; 16-oz. size, 70c; 1-gal. size, \$2.85; 5-gal. size, \$8.50.

Pyrox

Safe all-around spray for killing leaf-eating insects; prevents blight and fungous troubles on potatoes, vegetables, roses, fruit trees, etc. Prices: 25-lb. drum, \$6.00; 50-lb. drum, \$9.00; 300-lb. drum, \$40.00.

NICOTINE PYROX is the standard Pyrox with nicotine added to control sucking insects, as well as chewing insects and blight. A complete spray. Prices: 20-oz. jar, 60c; 5-lb. drum, \$2.25; 25-lb. drum, \$7.00; 50-lb. drum, \$11.50.

Insecticides and Fungicides

Niagara Brand

Peach Sprays and Dusts

Zinc Kolo-Wettex, Code J98. For control of curculio, brown rot and scab on peaches. Add 10 lbs. of Spray Lime to 8 1/3 lbs. of Code J98 per 100 gals. Add 2 lbs. Code 806 Niatox Crop Spray for control of tarnished plant bug in shuck fall and first cover spray. Packed six 8 1/3-lb. bags per carton. **Price: \$10.10 per carton; \$2.00 per bag.**

Niagara 300 Dust, Code 300. Contains sulphur for brown rot control and petroleum oil for control of Oriental fruit moth. For late season use. **Price: \$7.50 per cwt.**

Kolo Basic Niatox 5 Dust, Code 843. A special dust for peaches for use at early shuck split and next two cover applications for control of tarnished plant bug, curculio, Oriental fruit moth and brown rot. Packed 75-lb. bags. **Price: \$17.20 cwt.**

See Kolo Niatox 5 Dust, Code 829 for control Oriental fruit moth and brown rot applications. Page 71.

Arsenical Insecticides

Arsenate of Lead, Code 366. A highly effective insecticide for control of leaf chewing insects on apple trees, ornamentals and certain other crops. Kills bugs and worms on plants. Also very valuable for control of Japanese beetles and white grubs and worms in lawns, greens and other fine turf areas. Can be dusted or applied in water suspension. 1-lb. canister, 55c; 4-lb. bag, \$1.75. Get our prices on larger quantities.

Paris Green. A poisonous insoluble powder. Used in making outworm bait, etc. 1/4-lb. canister, 20c; 1-lb. canister, 60c; 5-lb. can, \$3.00.

Rotenone Insecticide Formulations

(Non-Poisonous to Animals and Humans)

Neurote, Code 453. An extract of rotenone and pyrethrins. Contains 4.5% rotenone and resins. A very effective spray for greenhouse and outdoor use for control of many sucking and chewing insects, such as aphids, beetles, leaf hoppers, worms, red mite, etc. 1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 12-oz. bottle, \$2.35; 32-oz. bottle, \$4.80; 1-gal. can, \$10.95; and 5-gal. drum, \$47.00.

1% Rotenone Dust, Code 345. A potent and powerful rotenone dust used for control of cabbage worms, bean beetle, flea beetle and wherever a strong rotenone dust is required. Packed 50-lb. bags, \$7.75 per bag. Get our price on larger quantities.

3/4% Rotenone Dust, Code 353. An all-purpose strong rotenone dust. Best for all-around use. Packed 50-lb. bags, \$6.75 per bag. Get our price on larger quantities.

Copper Rotenone Dust, Code 848. Contains COCS (copper oxychloride sulphate) as the fungicide and .75% rotenone as the insecticide. Especially effective for all-purpose dusting on tomatoes, cucurbits and wherever a fungicide and rotenone are required. Do not use on grapes or beans. Packed 50-lb. bags, \$8.75 per bag. Get our price on larger quantities.

5% Rotenone Spray, Code 92 Ro-Kil Spray. A 5% wettable powder rotenone spray formulation that is best for bean beetle control, red spider, aphids and many other bugs and worms where a strong wettable powder rotenone spray is indicated. Packed 50-lb. carton, 10 5-lb. bags each. **Price: 5-lb. bag, \$3.35; 50-lb. carton, \$31.10.**

DDT Spray and Dust Formulations

Insecticide formulation only. See other listing for combinations DDT and Fungicides.

Niatox Crop Spray, Code 806. A highly effective formulation of a 50% DDT wettable powder. Use at rate of 2 lbs. per 100 gals. water for control of flea beetle, leaf hopper, Japanese beetle, potato bugs, etc., wherever a 50% DDT wettable powder is recommended. Where a fungicide is needed, as on potatoes, we recommend using COCS Copper Spray with the DDT. For use on turf for control of Japanese beetle and white grubs, use 50 lbs. per acre. Packed 50-lb. bags and 24-lb. cartons, 8 3-lb. bags per carton. **Price: \$15.00 per 50-lb. bag; \$8.43 per 24-lb. carton; \$1.40 per 3-lb. bag.** Get our price on larger quantities of 100 lbs. and ton or over.

Niatox 3 Dust, Code 813. Contains 3% DDT plus an inert carrier. Formulated to be used as a dust for control of insects alone wherever 3% DDT is recommended, viz.: corn borer, ear worm, cabbage worm, flea beetle, etc. Packed 50-lb. bag. **Price: \$7.25 per 100 lbs.**

Niatox 5 Dust, Code 814. Contains 5% DDT, otherwise same as Code 813. Recommended for use where a straight 5% DDT dust is indicated. Packed 50-lb. bags. **Price: \$8.45 per 100 lbs.**

Niatox 10 Dust, Code 834. Contains 10% DDT. For control of Japanese beetle grubs and white grubs and ants on lawns, greens, fairways and other fine turf areas. Use 250 lbs. per acre. Also used for control of roaches in factories, mills and other buildings. Packed in 50-lb. bags and 50-lb. cartons, 10 5-lb. bags. **Price: \$13.45 per cwt. in 50-lb. bags; 90c per 5-lb. bag.**

Liquid Niatox 25, Code 966. A 25% DDT solution formulated to eliminate re-crystallization of the DDT in the container and to afford greatest safety and effectiveness when used on potatoes and certain other crops as a spray for insect control. Readily emulsifiable in water and compatible with copper and most organic fungicides. Also used as a concentrate cut to 6 or 12 per cent in mist blow-

ers. 5-gal. can, \$2.25 per gal.; 55-gal. drum, \$2.20 per gal. Get our price on larger quantity.

Liquid Niatox 33, Code 145. Contains 33% DDT by weight in miscible solvent. For insect control on crops, trees, and parasite control on animals. Specific gravity 1.01. Excellent for mist blower and hydraulic shade tree spraying. Packed 1 gal. and 5-gal. cans, 55-gal. drums. **Prices on request.**

Methoxide 7.5% Dust, Code 95. A methoxy DDT dust for use on vegetables for control of cucumber beetles, cabbage worm, Mexican bean beetle, flea beetles, etc. This form of DDT is practically non-toxic to warm blooded animals and humans when used as directed. Packed 50-lb. bags. **Prices on request.**

Copper Fungicides

Sprays and Dusts—for use on Potatoes and Vegetables—with and without poison.

Duo Bordo, Code 255. An instant Bordeaux spray mixture. Packed in 50-lb. cartons, each containing 5 bags of pulverized bluestone and 5 bags of hydrated spray lime. One carton makes 250 gals. of Bordeaux spray. **Price: \$7.75 per carton.** Price on larger quantities on request.

Dry Bordeaux Powder, Code 144 or 901. For preventing blight on grapes, potatoes, and other crops that are subject to rust, mildew and black rot. Contains 12 1/2% metallic copper. Can be applied dry with bellows or wet as spray. 1-lb. canister, 40c; 4-lb. bag, \$1.00. Get our prices on larger quantities.

COCS 56, Neutral Copper Spray, Code 557. Contains 56% metallic copper in the form of copper oxychloride sulphate. The best neutral copper spray. Especially effective in controlling blight on tomatoes, potatoes, cucurbits, celery, etc. Mixes readily with DDT, 5%, wettable rotenone powder, lead arsenate, etc. Use 3 lbs. per 100 gals. Packed 36-lb. carton, 12 3-lb. bags. **Price: \$15.25 per carton.**

COCS COPODUST, Code 570. Fungicide only. Contains the highly effective neutral copper oxychloride sulphate in dust formulation. Contains no lime. For control of blight on potatoes, celery, tomatoes, etc. Do not use on grapes or beans. Packed 50-lb. bag. **Price: \$9.85 per 100-lb. bag.** Also packed in 50-lb. cartons; 10 5-lb. bags. **Price: \$1.05 per bag.**

CUCURBIT DUST, Code M535. Best all-purpose dust for cucumbers, melons and squash. Controls striped cucumber beetles and other rasping or chewing insects as well as blight and mildew. Packed 50-lb. bags. **Price: \$5.30 per bag.** Get our price on larger quantities.

COCS Niatox 3 Dust, Code 827. Contains 11.32% copper oxychloride sulphate for control of blight and 3% DDT for control of insects. Especially recommended for use on potatoes. Packed 50-lb. bags. **Price: \$11.80 per cwt.**

COCS Niatox 5 Dust, Code 824. Identical to Code 827 except that it contains 5% DDT in place of the 3% DDT in the Code 827. For use on potatoes where a 5% DDT formulation with copper is preferred. Packed 50-lb. bags. **Price: \$13.05 per cwt.**

New Organic Insecticides and Fungicides

Many have specific uses only. Space too limited to give full detail. Consult your Agricultural Experiment Station or our spray service field men.

Puritized Agricultural Spray. Phenyl mercuri ammonium lactate. A specific for apple scab control and eradication. Also used to control anthracnose on certain shade trees, also a disinfectant in controlling ring rot of potatoes. Packed in 1-gallon and pint containers. **Price: \$10.25 per gallon; \$1.50 per pint in case lots of 24 pints.**

Niagara Carbamate, Code 93. The active ingredient is 76% ferric dimethyldithiocarbamate which is also the active ingredient in "Fermate." Both are identical in use. Niagara Carbamate mixes readily with water. Principal use on apples, pears, raspberry canes, cabbage and tobacco seed beds, cranberries, grapes, tobacco seed beds, roses, etc., for control of scab, anthracnose, leaf spots, mildews, etc. Packed 36-lb. carton, 12 3-lb. bags. **Price: 65c per lb.** Get our price on larger quantities.

Niagara Kolo Carbamate, Code 47. A formulation of fused bentonite sulphur and ferric dimethyldithiocarbamate as a spray for apples, etc., where a combination of sulphur and carbamate or fermate is desired. Use at rate 3 1/2 lbs. per 100 gals. on apples. Packed 12 3 1/2-lb. bags per carton. **Price: \$9.50 per carton.**

KOLO-CARBAMATE DUST, Code 127. Contains 5% Carbamate and 50% sulphur in form of fused bentonite sulphur. Packed in 50-lb. bags. **Price on request.**

Niagara Gamkil dust and spray formulations contain only the pure gamma isomer of benzene hexachloride. They are odorless for all practical purposes as compared to formulations of benzene hexachloride that contain other isomers in addition to gamma. Gamkil formulations are: **Code 33 Gamkil Aphid Dust** packed in 50-lb. bags; **Code 35 Gamkil Spray** containing 12% gamma isomer in wettable powder form; packed in 24-lb. cartons, 6 4-lb. bags; **Code 35 Gamkil Emulsion** containing 25% pure gamma isomer in a water emulsible form. These formulations are specific for aphids, leaf miner, wire worm, snout beetle and certain other insects. **Prices on request.**

Insecticides and Fungicides

Niagara Brand

Niagara Benzene Hexachloride formulations containing technical grade BHC including all isomers: Formulations are **Code 961 BHC Cabbage Maggot Dust**, contains 3% of the gamma isomer plus other isomers of BHC. Gives excellent control by dusting of cabbage maggot. For directions obtain circular or ask the Waltham Field Experiment Station for directions in use. Packed 50-lb. bag and 50-lb. carton, 10 5-lb. bags. **Prices on request.** **Code 976 BHC Crop Spray**—a wettable powder containing 6% gamma isomer plus other isomers of BHC. Recommended for curculio control in specific instances. Use 4 lbs. per 100 gals. Packed 24-lb. carton, 6 4-lb. bags. Ask for prices and full information on use.

Niagara Chlorkil Formulations. Chlorinated hydrocarbon insect toxicant sometimes referred to as octa-klor or chlordane. Formulations are: **Chlorkil 40 Spray**—a dry wettable formulation containing 40% chlordane. Used at from 2 to 4 lbs. per 100 gals. water to spray for control of grasshoppers, curculio, ants and certain other turf insects. Packed 24-lb. carton, 6 4-lb. bags. **Price: Per carton, \$18.45; 5-lb. bag, \$3.75.**

Chlorkil 85 Miscible, Code 45. A liquid formulation that disperses readily in water and contains 85% technical chlordane. Three-fourths pint contains 1 lb. chlordane. Packed in 5-gal. and 1-gal. containers. **Price on request.**

Chlorkil 5 Dust, Code 43. Contains 5% technical chlordane. For control of ants and grasshoppers use 20 to 40 lbs. per acre. Packed 50-lb. bags. **Price: \$16.30 per cwt.**

TETRAETHYL PYROPHOSPHATE FORMULATIONS. Niagara Hexamite (formerly known as Hexicide 200), Code 997 contains 35% tetraethyl pyrophosphate and 65% other related organic esters. It is outstanding for control of red mite on apple, apple curculio and certain other insects. It is a contact toxicant. Packed in 1-gal. glass containers. **Price: \$19.40 per gal.** Used at rate of 1/4 to 1/3 pint per 100 gals. for red mite control. There will also be a 1% Hexamite Dust available. **Prices and information on request.**

ZINC DIMETHYLDITHIOCARBAMATE FORMULATIONS.

Niagara Z-C Spray, Code 49 contains 70% Zinc Dimethyldithiocarbamate formulated as a wettable powder. Especially recommended for use on tomatoes in an alternate spray program with C.O.C.S. copper for controls of diseases. Use 1 1/2 to 2 lbs. Z-C per 100 gals. Recommendations for Zerlate or Z-C Spray are identical. Packed 36-lb. carton, 12 3-lb. bags. **Price: \$23.76 per carton.** Get our price on larger quantity. **Niagara Z-C Dust, Code 48** contains 7% active ingredients or the equivalent of 10% Zerlate. Especially effective for early blight and anthracnose, also acts as a plant stimulant to increase yields in tomato fields and certain other crops. Packed in 50-lb. bags. Use 20 to 40 lbs. per acre. **Price: \$9.55 cwt.**

PARATHION, Also Known as THIOPHOS. FORMULATIONS. **Niagara Phoskil Spray, Code 66.** Contains 15% active ingredients as a wettable powder. Effective against many insects such as red mite, bud moth, oriental fruit moth, etc. Packed in 48-lb. cartons, 16 3-lb. bags each. **Price: \$72.00 per carton.** Will also be available in dust formulation as **Code 67 Phoskil Dust.** 100-lb. drum. **Price: \$13.50 cwt.**

Spreaders and Spray Conditioners

Z-1, CODE 139. A colloidal spreader, depositor and film builder. Reduces run-off and affords smoother coverage. Used at rate of 1/4 lb. per 100 gals. water. Packed 25-lb. carton, 25 1-lb. bags per carton. **Price: 45c per lb. in case lot.**

NIAGARA SPRAYSPRED. A liquid spreader and sticker. Eliminates blotchy coverage. Use 1/8 pint per 100 gals. water. Packed in 1-gal. container, \$11.50 per gal.; packed in 5-gal. drum, \$11.20 per gal.

Miscellaneous Materials

CONCENTRATED LIQUID LIME-SULPHUR SOLUTION. Use at rate of 1 gal. to 9 gals. of water for dormant spray for apples, peaches and certain ornamentals for control of scale leaf curl, etc. Also can be used on apples at summer strength of 1 gal. to 40 gals. water for scab control on apple trees. 1 qt., 60c; 1 gal., \$1.80. Weight 12 lbs. 5 gals., \$8.50; 55-gal. drum, prices on application.

DRY LIME-SULPHUR. Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle. Simply sift into water. 1-lb. can, 45c; 5-lb. can, \$1.95; 100 lbs., \$15.25; 200-lb. drum, \$14.25 per 100 lbs.

P. A. NICOTINE DUST. 4% nicotine—a powerful nicotine dust especially recommended for pea aphid and aphid on squash and other cucurbits. **Per 100-lb. drum, \$19.40.**

DINITRO DRY. Contains 40% dinitro-ortho-cresol, a dormant spray material for control of bud moth, oyster shell scale, peach leaf curl, aphid eggs and also as a ground spray to destroy fruiting bodies of the scab fungus on old leaves on the floor of orchards. Packed 24-lb. carton, 24 1-lb. bags. **Price per case, \$16.08; price per lb., 90c.**

KRENITE. A water soluble dinitro dry dormant spray. Used for same purpose as Code 605 Dinitro Dry. Packed in 1-gal. cans. **\$2.75 per gal.** Get our price on larger quantity.

DN-4. Code 659. A dinitro material used as a dust in the summer for control of red mite on apples. Packed in 50-lb. bags. **\$11.50 cwt.**

DN-111. Code 658. A dinitro material (Dicyclohexylphenate Salt) for use as a spray in the summer for control of red mite on apples. Packed in 30-lb. carton, 1 1/4-lb. bags. **Price: 65c per lb. case lot.**

NIAGARA-STIK. A hormone spray powder used in the prevention of premature pre-harvest drop of fruit and also at post blossom to effect chemical thinning of set. Active ingredient the sodium salt of naphthalene acetic acid. Packed in 1/4-lb. can, 50c; case of 24, 1/4-lb. jars, \$11.25.

NIAGARA LIQUI STIK. Code 661. A liquid hormone anti-drop and chemical thinning spray. Active ingredient 1.6% naphthalene acetic acid. 1-gal. can, \$7.50.

NIAGARA STIK-HORMONE DUST. An effective formulation of naphthalene acetic acid in dust form to prevent premature dropping of fruit. Packed 50-lb. bags. **\$10.70 cwt. Code 632.**

NIAGARA AMSOL. Code 29. Amine type of weed killer a—liquid for farm use. 1-gal. can, \$8.75. Also packed in 5-gal. and 55-gal. drums. **Prices on request—see circular.**

NIAGARA EstaSol. Code 133—ester type of 2, 4-D—recommended for killing woody and hard-to-kill weeds, poison ivy, etc. Used on rights of way by commercial sprayers. Get circular. 1-gal. can, \$10.35. Also packed in 5-gal. and 55-gal. drums. **Get our price on same.**

Dormant and Delayed Dormant Oil Sprays

EMULSO OIL SPRAY. 83% Oil Emulsion. A highly potent dormant oil spray for control of certain insect eggs, scale, etc.; contains rotenone for extra effectiveness. Safe to use at dormant or delayed dormant stage on apples, pears, or wherever dormant oil sprays are indicated. **Price: 50-gal. steel drum, 60c per gal.**

PENINSULAR OIL SPRAY. 83% Oil Emulsion. A popular, safe and stable oil emulsion spray for use on apples, pears, etc., at dormant or delayed dormant stage. **Price: 50-gal. steel drum, 52c per gal.**

NIAGARA MISCIBLE OIL. 97% oil. A free-flowing oil which mixes readily with water, for use as an oil spray in dormant stage on apples, pears, etc. Use 3 gals. per 100 gals. of water. **Packed in 54-gal. steel drums, 58c per gal.**

Fungicides

Sulphur Sprays and Dusts for use on apples, peaches and wherever sulphur or sulphur and arsenicals are indicated to prevent disease or control chewing insects.

KOLOFOG. A highly effective fused bentonite-sulphur spray for use on apples and peaches replacing lime-sulphur solution following dormant or delayed dormant use. Because of its great adhesiveness, it makes an excellent carrier for arsenate of lead. It is non-caustic and is especially recommended for the pre-blossom, calyx and first cover sprays. In the latter sprays where the excellent sticking qualities of Kolofog may be objectionable, we recommend the use of Kolospray. **Price: 48-lb. carton (8 6-lb. bags), \$5.20; 5 cartons or more, \$4.95 each; 6-lb. bag, 85c.**

KOLOSPRAY. A wettable sulphur of micron fineness fortified with fused bentonite-sulphur to improve covering qualities and effectiveness of the wettable type of sulphur. One of the best so-called wettable sulphurs on the market. **Price: 50-lb. bag, \$4.35; 100 lbs., \$8.15. Packed also 10 5-lb. bags per carton, per 100 lbs., \$9.20; per 50-lb. carton, \$4.85; per 5-lb. bag, 75c.**

NIAGARA KOLODUST. The new exclusive NIAGARA dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants. **Per 100 lbs., \$7.45. Packed in 50-lb. bags.**

NIAGARA KOLOKIL. The new exclusive NIAGARA sulphur and poison dust containing large percentage of arsenate of lead. This material is used wherever extra heavy ravages of chewing insects prevail, also in controlling such diseases as may be present. **Per 100-lb. bag, \$12.90.**

KOLOKIL SPECIAL. The new exclusive Niagara sulphur and poison dust containing extra large percentage of arsenate of lead. This material is recommended where codling moth and gypsy moth are especially troublesome in Apple orchards. **Per 100-lb. bag, \$15.15.**

KOLO M550 DUST. An especially heavy depositing Lead Arsenate Dust with low sulphur content, for use late in the season for codling moth control. **Price: \$16.75 per 100-lb. bag.**

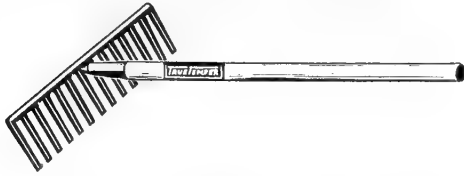
CODE 841 KOLO M555 NIATOX 5 DUST. Contains 5% DDT, plus 20% lead arsenate and sulphur. Recommended for use in Apple orchards where DDT is needed to control codling moth. **Packed 107-lb. bags, \$17.65 cwt.**

CODE 828 KOLOKIL NIATOX 5 DUST. For use on Apples for control of scab, codling moth, curculio and leaf hopper. Packed in 100-lb. bags. **Price: Per cwt., \$16.10.**

CODE 829 KOLODUST NIATOX 5 DUST. Contains 5% DDT. For control of Oriental fruit moth. **Price: \$12.20 per 100 lbs.**

Farm and Garden Tools

Steel Garden Rake



LEVEL HEAD

14 Straight Teeth—Long Ferrules		Each
No. T14.	True Temper, 5½-ft. handle	\$1.90
No. X14.	True Temper Heavy Road Rake	3.30
No. B15.	True Temper Bow Rake, 15 teeth	2.25
No. G16.	True Temper Gravel Rake, 16 teeth, 2¼-in. teeth	2.35

Hay Fork



Regular 3-Tine; Tubular Ferrules; Bent Handle;

13-inch Oval Tines		Each
No. 0133½B.	3½-ft. handle	\$2.40
No. 0134B.	4-ft. handle	2.50
No. 0134½B.	4½ ft. handle	2.60
No. 0135B.	5-ft. handle	2.75

Manure Fork



Five-Tine; Tubular Ferrules—13-inch Tines

No. 054.	True Temper, long handle, 4-ft.	Each \$2.85
No. 05D.	True Temper, 32-inch bent D-handle	2.95
No. 06D.	True Temper, 32-inch bent D-handle, 6-tine.	3.20
No. 064.	True Temper, long handle, 4-ft.	3.10

Ensilage or Barn Fork



16-inch Oval Tines—30-inch Bent D Handles		Each
No. 508.	True Temper, 8-tine	\$5.00
No. 510.	True Temper, 10-tine	5.50

Stone or Ballast Forks

30-inch Bent D Handles—10-inch Tubular Ferrules

No. 98S.	8-tine True Temper	Each \$5.75
No. 102S.	12-tine True Temper	7.00
No. 6L.	Stone Picker Fork, 4-ft. handle	3.05

Speedy Cultivator

Four Teeth—4 1/3 ft. Handle

No. SC4.	True Temper	Each \$2.15
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Grass Scythes

Mailing weight, 3 lbs.

		Each
True Temper		\$2.50
Little Giant		2.50
Meadow Brook		2.25

Bush Scythes

True Temper	Each \$2.50
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Scythe Snaths

No. 50.	Ash Grass	Each \$3.25
No. 105.	Bush Snaths	3.50

True Temper Coke Forks

No. 710.	10 tines, 1¼ in. between tines	Each \$6.35
No. 712.	12 tines, 1¼ in. between tines	7.00

Bush Hooks

No. 1130.	Collins, with 36-in. handle (3 lbs.)	Each \$3.25
	Little Giant Combination Axe and Hook	4.00

Cattle Cards

No. 444.	Small special fiber. 5¼x3½	Each \$0.38
Postage extra, 5c each.		

Four-Tine Spading Fork



12-inch Tines; Approximate Width 7½ inches;
30-inch I. D. Handle

No. MS.	True Temper	Each \$2.40
No. M3L.	True Temper, long handle	2.40

Meadow Hoe



Long Socket Pattern; 3½ inches Deep; 4 1/3-ft. Handle

No. M08.	True Temper Blade. 8 inches wide	Each \$2.00
No. M49.	True Temper Blade. 9 inches wide	2.05

Square Top Onion Hoe

4 1/3-ft. Handle; Blade Width 7 inches; Blade Depth 1¾ inches.

No. S71¾	Each \$1.85
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Corn Hoe

4 1/3-ft. Handle; Blade Width 8½ inches; Blade Depth 2¾ inches.

No. CT08½	Each \$2.05
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Turf Edger (Flat Top)

4-ft. Handle; Blade 9 inches Wide; 4¾ inches Deep.

No. 040F	Each \$2.00
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Potato Hooks



Long Ferrules—4 1/3-ft. Handle;
7-inch Tines; Goose Neck Pattern
No. 5GNR. 5-tine, True Temper.
Each \$2.60

Mortar Hoes

Shank Pattern, 5½-ft. Handle

No. 9.	9-inch, True Temper	Each \$3.30
No. 10.	10-inch, True Temper	3.55
No. 210.	10-inch, True Temper, with 2 holes	3.55

Scuffle Hoe

(Push or Pull)

2½ inches Deep; 8 inches Wide; 5-ft. Handle

No. XGS5.	True Temper	Each \$2.60
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Wooden Rakes

No. 05.	Hay Rake, 14 teeth	Each \$1.50
No. 39.	Lawn Rake, 28 teeth	1.75

Peter Pulverizer

Peter Pulverizer is an adjustable garden cultivator. Five enameled 9-inch tines. Hardwood 4 1/3-ft. handle. An efficient, easy-to-operate and time-saving tool for pulverizing clods, breaking caked earth, weeding, raking and cultivating various widths of garden rows. Here's the answer to Gardeners for an all-purpose cultivator. Price: \$2.00.

Gardex Garden Tools

No. 251.	14-tooth Gardex Rake	Each \$1.45
No. 906½.	Garden and Field Hoe	1.05
No. 751.	Gardex Dibble	1.10
No. 1523.	3-prong Cultivator and Weeder	1.60
No. 1605.	5-prong Cultivator	1.75

True Temper Garden Tools

No. 1GC5.	5-prong, True Temper Invincible Cultivator	Each \$2.05
No. TR8.	8-tooth Floral Rake	1.15
No. DST.	True Temper Garden Trowel	1.75
No. IGH7.	Italian Grape or Grading Hoe	3.25

Grass Hooks

Lightning	Each \$0.60
Nawatoco	.65
Nolin's	1.00

Mailing weight, 2 lbs.

Cant Dogs

3 ft. x 2¾,	round bill	Each \$4.65
3½ ft. x 2¾,	round bill	4.75
4 ft. x 2¾,	round bill	4.95

Farm and Garden Tools

No. 12 Planet Jr. Double and Single Wheel Hoe

Price, \$17.25



Planet Jr. Double Wheel Hoes are almost universally used by professional vegetable growers. They will straddle the crop, hoeing both sides of the row at once and until the plants are 20 inches high. The No. 12 includes all the equipment usually required for gardening—a pair of hoes for shallow cultivating and weeding, four steel cultivator teeth for general cultivation and a pair of plows for hilling, furrowing, etc. A long bolt and ferrule are furnished for changing to a single wheel hoe for later cultivation.

No. 16 Planet Jr. Single Wheel Hoe

Price, \$13.65



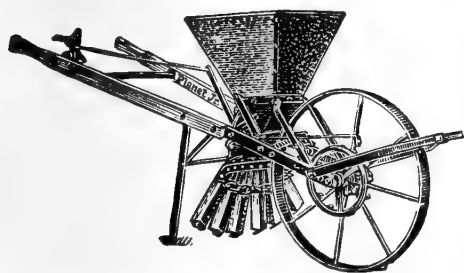
Planet Jr. Single Wheel Hoes are light, easily handled and do beautiful work. They are all steel except the handles—practically indestructible. Handles are adjustable for any height. No. 16 includes all equipment usually required in a garden—hoes for weeding and shallow cultivation—three steel cultivator teeth for general cultivation—a plow for furrowing, ridging, etc.—one 3-tooth and one 5-tooth rake for fine cultivation, raking, etc.

No. 17 PLANET JR. SINGLE WHEEL HOE—\$11.95

This is exactly the same machine as the No. 16 except that it does not have the leaf guards or the rakes. It is the most popular single wheel cultivator for home garden use.

No. 220 Planet Jr. Fertilizer Distributor

Price, \$41.75



Capacity 1 bushel. Will distribute from 200 to 2000 pounds of commercial fertilizer to the acre. Six adjustable spouts spread it from 4 to 30 inches. Equipment includes plates for closing up four spouts or two or three spouts on either left or right

side. Hopper placed well forward over wheel making light load and easier pushing. Feed can be opened and closed without stopping. Positive agitation.

The H.K.P. Forester Pruner



The Forester has a patented slide-shift power slot. Powerful and ruggedly built for lifetime use. Each
No. 2. 27 in. long, capacity 1½ in. Weight 4 lbs. 10 ozs. . . \$8.50
No. 3. 34 in. long, capacity 2 in. Weight 7 lbs. 4 ozs. . . 9.75
No. 120. Point Cut Pruner. 20 in. Weight 2 lbs. 12 ozs. . . 7.50
No. 124. Point Cut Pruner. 24 in. Weight 3 lbs. . . 7.75
No. 9. Twin Cut Hand Pruner . . . 6.75

No. 300A Planet Jr. Seeder

Price, \$30.25

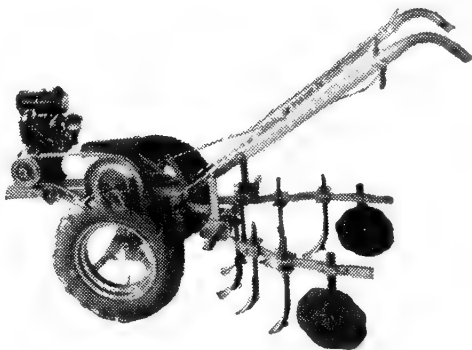


The No. 300A is rapidly becoming the most popular seeder for market gardeners. It is a plate seeder, having three seeding plates, each with 13 holes, giving ample adjustment for any size seed. Adjustments quickly and easily made. Hopper removable. Many exclusive features combine to make the No. 300A easy running, dependable and accurate. For use on ordinary soil.
No. 300 SEEDER. Same as No. 300A but with flat roller wheel 11 inches in diameter for use on muck and sandy soil.

Model BP-1 (1½ H.P.) Tractor

With 4.00 x 12 Rubber Tires (less cultivator), \$189.50.

B-12 Cultivator. \$32.50.



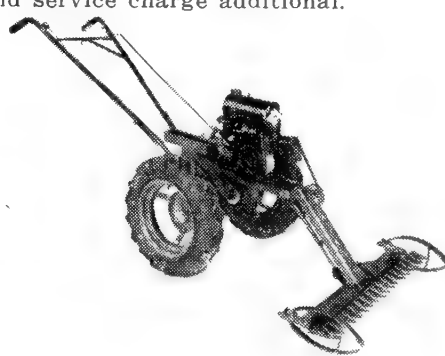
Attachments for BP-1 Tractors

AB56 Field Mower	\$76.50
B21 6-Inch Plow with Coulter	36.50
B40 Snow Plow and Grader	39.65
B62 Disc Harrow	39.50
AB34 One-Row Seeder	38.25
9965X Wheel Weights	14.95
9905X Lawn Mower Hitch	7.10
Freight and service charge additional.	

Model HB (3 H.P.) Planet Jr. Tractor. With 5.50x16 rubber tires. Price: \$411.50.

Model H.W. (5 H.P.) Planet Jr. Tractor. With 5.50x16 rubber tires. Price: \$441.50.

HT Cultivating Gang and Equipment, 27-Inch. Price: \$24.50.



AB56 Field Mower on BP-1 Tractor

HTN Cultivating Gang and Equipment, 22-Inch	\$26.65
HT26 9-Inch Plow or HT27 10-Inch Plow with Hitch	44.65
HB5700, HW57 Field Mower	158.00

Freight and service charge additional.

Planet Jr. Horse Hoes (Not Shown)

No. 82. With wheel	\$27.45
No. 9. With wheel	24.65

Farm and Garden Implements

HAYES GARDEN HOSE SPRAYERS

Hayes Jr. Spray Gun



For "Average Size" Garden

Famous all-purpose sprayer. Makes 3 gallons of mixed spray material at one time. Just attach to garden hose, turn on the faucet, lightly press the conveniently long lever and Hayes Jr. sprays. Price, \$6.95.



Hayes-Ette Sprayer

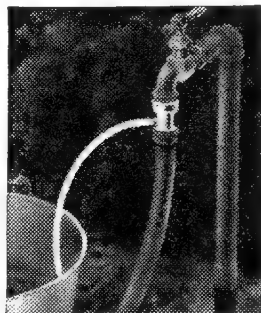
For Small Gardens

A compact little bantam-weight that efficiently does the work of many large sprayers. Simply attach to garden hose, lightly press the new no-leak thumb button. That's all. Capacity, 1½ gallons of mixed spray material. Price, \$3.45.

HAYES 10-to-1 Proportioner

Applies liquid and soluble fertilizers, lawn moth solutions, weed killers, insecticides and fungicides economically, safely, easily, through garden hose.

Simply attach Proportioner to hydrant. Mix concentrate with water. Drop suction tube into container. Attach garden hose to Proportioner. Attach free flowing nozzle on end of hose. Turn on hydrant, and apply same as watering. Hayes jet mixes the spray accurately. Price, \$1.95.



Columbian Manila Rope

	Price Per lb.
1/4 in. diameter	\$0.63
3/8 in. diameter .....	.60
1/2 in. diameter .....	.59
5/8 in. diameter .....	.58
3/4 in., 7/8 in., 1 in. diameter .....	.57

Ask for prices on coil lots.

Binder Twine

Binder Twine. Packed 10—5-lb. balls or 6—8-lb. balls to bale. Market price.

Hay Baler Twine

Hay Baler Twine. Packed two 20-lb. balls to bale. Market price.

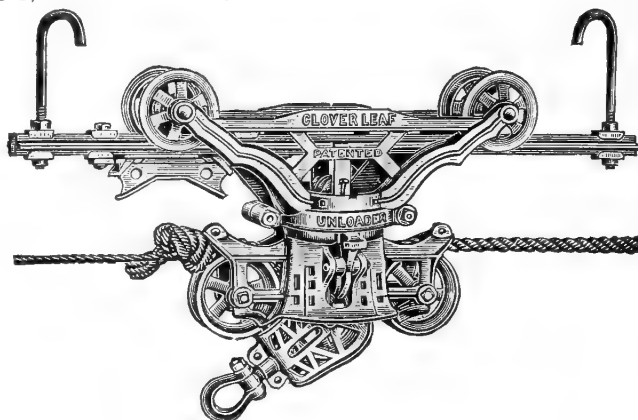
Dietz Lanterns

Monarch Lantern. With clear globe	\$1.70
Monarch Lantern. With ruby globe	1.95
No. 2 Delite Lantern. With clear globe	2.15
Little Wizard Lantern. With ruby globe	2.05
Fitzall Globe. (Clear) for Monarch Lantern .....	.25
Fitzall Globe. (Ruby) for Monarch Lantern .....	.50

Myers Horse Hay Fork Fixtures

No Barn is Complete Without One of These Reversible Steel Track Hay Carriers.

These carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, we will name you price for complete job.



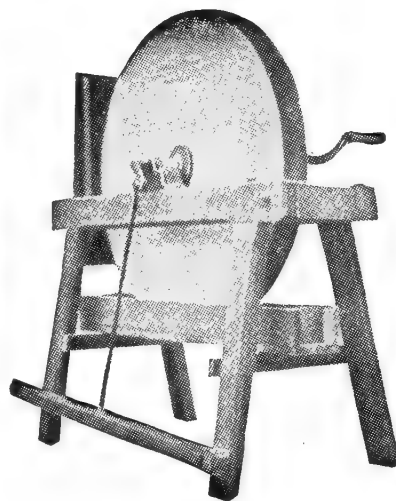
Double Steel Track. Per ft.	\$ 0.40
No. 7240A7. Hanger Hook. 1/2" x 7". Each .....	.28 1/2
No. 5837A. Pulley Hook. 3/4 inch. Each .....	.31 1/2
No. 201. Hay Unloader, O. K. Adjustable. Each ..	21.75
No. 5400C. Knot Passing Pulley. Each	1.65
No. 5318E. Two-Tine Harpoon Fork. 25-inch. Each	5.75
No. 5322E. Two-Tine Harpoon Fork. 31-inch. Each	7.35
No. 8455E2. Four-Tine Grapple Fork	18.00
No. 8455E1. Four-Tine Grapple Fork	17.00
No. 7837B. Rafter Bracket. Each .....	.09
No. 7242A10. Jointed Hanger Hooks. Each .....	.45

Hecla Wood Frame Mounted Grindstone

24x2 in. ...	\$25.75
24x3 in. ...	31.50
26x2 1/2 in. ...	31.75
26x3 in. ...	35.00

Wilcox Mounted Grindstone

No. 410-2	\$18.00
No. 400 Victor Tubular Steel Frame Grindstone with foot treadle and seat	18.00



Hecla Motor Driven Grindstone

Complete with 24x3 in. diameter stone\$66.75

Eddy Stoneboat Steel Fronts

29-inch, with bolts. Weight 27 lbs.	\$10.50
34-inch, with bolts. Weight 32 lbs.	11.25
40-inch, with bolts. Weight 37 lbs.	12.25
Stoneboat complete, 34 in. by 6 ft. 10 in.	35.75

Brooms

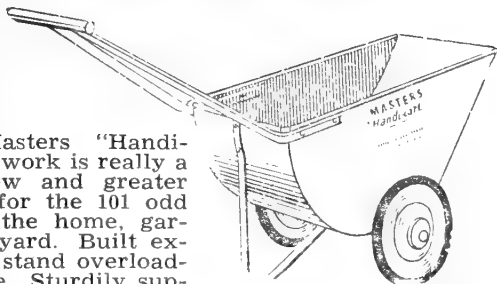
No. 8. Hamburg Corn and Rattan Broom	\$1.95
No. 9. Hamburg Corn and Rattan Broom	2.15
No. 10. Hamburg Corn and Rattan Broom	2.50
No. 7. Hamburg Peerless House Broom	1.85
No. 6. White Cross House Broom	1.90
No. 500-D. Osborn 16-in. Bass, 5-Row Push Broom with Handle	2.85

White Mountain Ice Cream Freezers

1-quart size	\$ 7.50	4-quart size	\$11.95
2-quart size	9.00	6-quart size	15.25
3-quart size	10.95	8-quart size	20.75

Garden and Lawn Supplies

MASTERS HANDI-CART

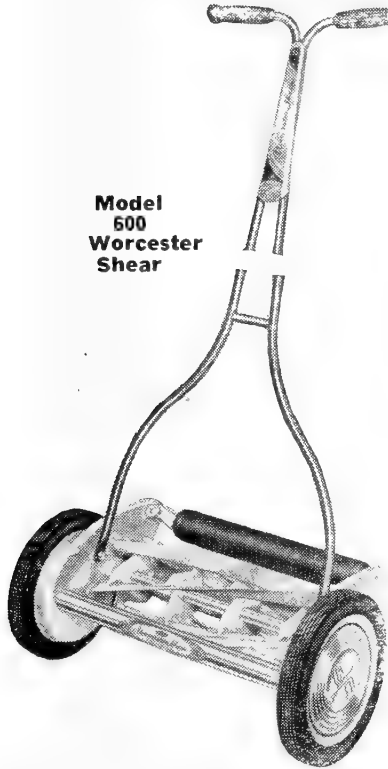


With a Masters "Handi-Cart" garden work is really a pleasure. New and greater convenience for the 101 odd jobs around the home, garden, garage, yard. Built extra strong to stand overloading and abuse. Sturdily supported sheet metal body, solid steel axle, disc wheels, rubber tires. Perfect balance makes handling easy.

No. 18S. 3 cu. ft. capacity. Price: \$9.95.

No. 20S. 3½ cu. ft. capacity with semi-pneumatic rubber-tired wheels. Price: \$11.75.

WORCESTER LAWN MOWERS



Model 600 Worcester Shear

Model 600 Worcester Shear. 10-inch semi-pneumatic tires, cast wheels, oversize rubber-covered roller, 5 blades. Precision engineered. Streamlined tubular steel handle and rubber grips. Price: 16 inch, \$29.95; 18 inch, \$31.55.

Model 550 Worcester Master. (Not shown.) 10-inch semi-pneumatic tires, cast wheels, sectional, 3-piece wood roller, oil treated; handle of ¾-inch tubular steel, rubber grips, five blades. Price: 16 inch, \$23.40; 18 inch, \$24.60.

Model 350 Worcester Windsor. (Not shown.) New popular priced. 5 blades, closed wheels, rubber cushion tires. One-piece oil-treated hardwood roller; varnished wood handle. Price: 16 inch, \$15.95.

Model 750 Worcester Power Master Lawn Mower. Powered with 4-cycle Briggs & Stratton or 4-cycle Lauson engine, 18-inch cut. Price: \$119.50.

Model 850 Worcester Power Master Lawn Mower with "Power Package" engine. Newly improved 18-inch cut. Price: \$99.75.

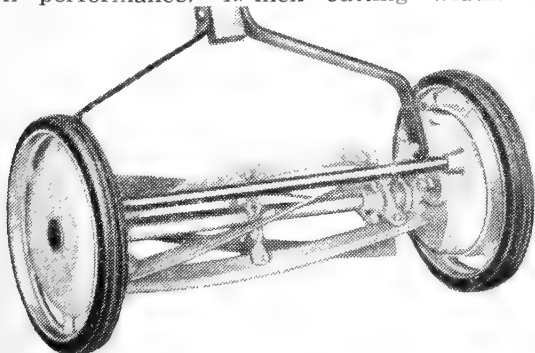
BLAIR LAWN MOWERS

Blair Blazer. (Like cut.) Hardwood handle, 10-inch closed wheels, 5 blades, solid rubber fitted tires. Automatically adjusted ball bearings. Sturdy construction throughout. Enamel finish in two-tone green. Price: 16 inch, \$18.25; 18 inch, \$20.00.

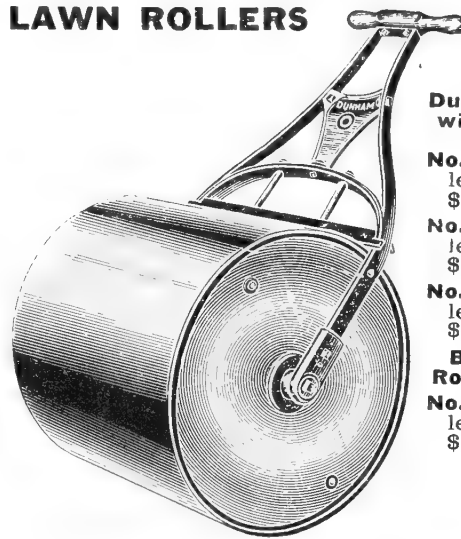
Blair Pilgrim. (Not shown.) Tubular handle, 11-inch wheels, 5 blades, semi-pneumatic tires, chrome-plated front brace rod. Enamel finish in ivory with red trim. Price: 16 inch, \$23.25; 18 inch, \$25.00.

Blair Universal Lawn Trimmer. (Not shown.) 4 blades, 6-inch cut, 8-inch wheel with slip-on rubber tire. Price: \$14.00.

Blair Model 50 Power Mower. ¾ H. P. 4-cycle Briggs & Stratton engine. Sturdy construction. Easy maintenance. Precision performance. 19-inch cutting width. Price: \$138.75.



LAWN ROLLERS



Dunham Waterweight with Oilite Bearings

No. 2. Diam., 14 in.; length, 24 in. Price: \$18.75.

No. 4. Diam., 18 in.; length, 24 in. Price: \$23.00.

No. 7. Diam., 24 in.; length, 24 in. Price: \$27.00.

Buch Waterweight Roller Bearing Roller

No. 602. Diam., 18 in.; length, 24 in. Price: \$22.00.

SEE US FOR POWER LAWN MOWERS

THE NEW CLEMSON E-17

The Model E-17 is a high grade lawn machine engineered to give you a better lawn with less effort. Two simple adjustments. No tools needed. Although ruggedly built it weighs only 33 pounds complete in carton. Full 17-inch cut. Price: \$31.95.

Clemson Grass Catcher. Price: \$3.60.



No. PR-243-1S. Power Mower Catcher. 15 in. deep, 22 in. wide. Fits power mower with outside dimensions 17 in. to 23 in. Price: \$3.95.

No. PR-243-2S. Power Mower Catcher. 19½ in. deep, 28 in. wide. Fits power mower with outside dimensions 24 in. to 29 in. Price: \$4.95.

B'air Homestead. Tubular handle, 10-inch closed wheels, solid rubber fitted tires, 5 blades, rubber handle grips, enamel finish in red with ivory trim. Price: 16 inch, \$20.00; 18 inch, \$21.65.

GRASS CATCHERS

For 16-inch and 18-inch Mowers

No. 5A "Easy-Emptying." Heavy white duck sides, aluminum bottom. Price: \$2.25.

No. HS-111 "Canvas Kid." White duck, aluminum bottom (no carry handle). Price: \$1.85.

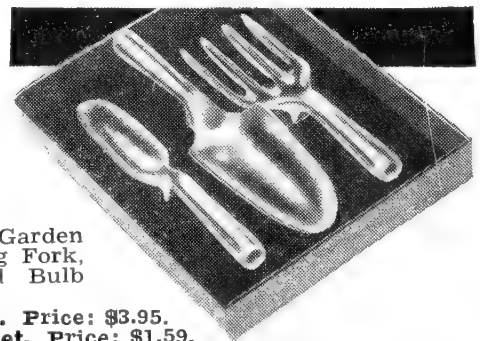
No. HS231 "Canvas Kid." Square back, aluminum bottom, with carrying handle. Price: \$2.35.

MARKLE Featherweight Aluminum GARDEN TOOL SET

Patented finger rest. Amazing strength; featherweight lightness; no rusting. Garden Trowel, Cultivating Fork, Transplanting and Bulb Trowel.

No. 104 Deluxe Set. Price: \$3.95.

No. 204 Standard Set. Price: \$1.59.



Garden and Lawn Supplies



Soil-Soaker

Like all night rain, it really soaks the soil. Water seeps through entire length gently—no spray—puts water where you want it. All soaks to the roots. Made of scientifically treated mildew resistant canvas. One end screws to water hose, other end closed.

No. 0. Length 12 feet. Mailing weight 2 lbs.	\$1.65
No. 1. Length 18 feet. Mailing weight 3 lbs.	2.20
No. 2. Length 30 feet. Mailing weight 4 lbs.	3.40
No. 3. Length 50 feet. Mailing weight 5 lbs.	5.50



Pomo-Green

The Leaf Green ALL-IN-ONE
Dust or Spray

"The best all-purpose dust or spray for roses and other flowering plants and shrubs. Highly effective in the control of black spot and mildew as well as chewing and sucking insects. This fine powder is dyed green so as not to discolor the foliage when used as a dust or when mixed with water and used as a spray. Highest rating in effectiveness against black spot and mildew in test conducted by the American Rose Society."

PRICE:

1-lb. jar Pomo-Green with nicotine	\$ 1.05
5-lb. jar Pomo-Green with nicotine	3.85
25-lb. drum	18.00
100-lb. drum	59.00

CODE 836 PURATURF

For control of crabgrass and for control of turf diseases such as dollar spot, copper spot and little brown patch. Active ingredients: phenyl mercuri triethanol ammonium lactate 6%. For crab grass control use 4½ tablespoons per 10 gals. water applied to 1000 sq. ft. lawn. For disease control apply ½ pint in 50 gals. water to 5000 sq. ft. of turf. Full directions on container. Ask for circular. Price: ½ pt., \$1.65; ½ gal., \$10.90.

CODE 994 PURATURF 177

The sensational new wettable organic cadmium fungicide for control of large brown patch, dollar spot and other fungous diseases of golf greens, lawns and fine turf grasses. Can be applied as spray or dust. Active ingredient: phenyl amino cadmium dilactate complex 20%. Use at rate of 1 lb. per 100 gals water applied to 10,000 to 12,000 sq. ft. of turf. Full directions on label. Ask for circular. Packed 12 1-lb. pkgs. per case. 1 lb., \$2.60; case, \$26.00.

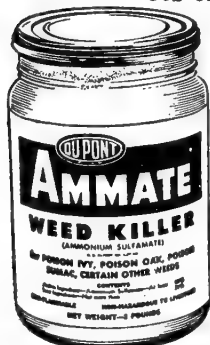
WEEDONE

TRADE MARK

Weedone—the new internal weed killer. Kills right out to the root tips, kills entire plant. It is the most effective 2-4-D formula. Kills poison ivy, poison oak, bindweed, wild morning glory, Japanese honeysuckle, and many others.

6-oz. bottle (makes 5 gals. spray)	\$ 0.75
1-qt. bottle (makes 25 gals. spray)	2.50
1-gal. bottle (makes 100 gals. spray)	6.50
5-gal. can (makes 500 gals. spray)	21.25

Prices on larger quantities on request.

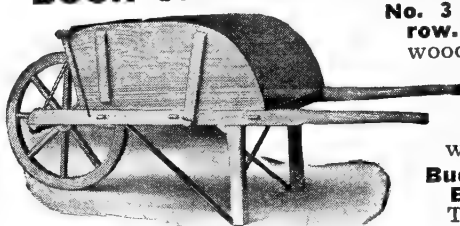


AMMATE

Du Pont's Ammate Weed Killer
(Ammonium Sulfamate)

For poison ivy, poison oak, etc. Ammate is applied as a water solution from a sprinkling can or sprayer or as a dry application. Use at the rate of 1 to 1½ lbs. per gallon of water per 100 sq. ft. of area. To kill all vegetation in driveways, tennis courts, etc., apply Ammate dry or as a spray at the rate of 4 lbs. per 100 sq. ft. Price: 2-lb. jar, 85c; 6-lb. jar, \$2.25; 50-lb. drum, \$13.00; 350-lb. barrel, \$70.00.

BUCH GARDEN WHEELBARROWS



No. 3 Garden Wheelbarrow. With 1¾-in. tread, wooden wheel. Price: \$22.95. With 2-ply 16x4 plain bearing rubber tired wheel. Price: \$30.75.

Buch Model 6B Garden Barrow. (Not shown.) This popular model is light in weight, well balanced and is considered by many the best general purpose, moderately priced Garden Barrow made. Body length 26 inches, width at the front 18 inches, rear 23½ inches. Price: With steel wheel, \$13.95; with 16x2 semi-pneumatic rubber-tired wheel, \$17.95.

Buch No. 1 Large Farmer's Garden Barrow. With 16x4 plain bearing, 2-ply rubber-tired wheel. Price: \$33.95.

GOODRICH GARDEN HOSE

"Koroseal" Plastic Garden Hose. (Green.) 50-ft. lengths, \$9.85; 25-ft. lengths, \$5.75.
"Maxecon" Green Cover. Decagon design; two braid; ⅝ inch. 50-ft. lengths, \$10.75; 25-ft. lengths, \$5.75.
"Garden Club" Black Cover. Decagon design; one braid; ⅝ inch. 50-ft. lengths, \$7.50; 25-ft. lengths, \$3.95.
"Signal." One braid; black; ⅝ inch. 50-ft. lengths, \$6.45.

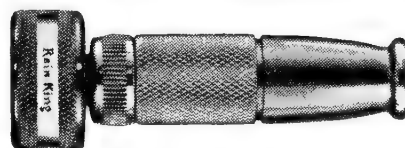
GATES GARDEN HOSE

"Gardenette." Weighs half as much, yet outwears best standard hose. Layer of tough braided nylon cord. Green. ⅝ inch. 50-ft. lengths, \$10.75; 25-ft. lengths, \$5.75.
"Truecord." Single braid tough rayon cord. ⅝ inch. 50-ft. lengths, \$7.50; 25-ft. lengths, \$3.95.
Also Spray Hose for Power and Hand Sprayers.

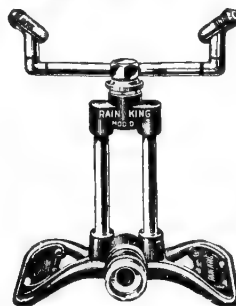
"AMPECO" GRASS-GREEN GARDEN HOSE

So light, so tough, so efficient. A plastic hose. Not affected by sunshine or weather. Tie it in a knot, will not break. Guaranteed two years. ⅝ inch diameter. 50-ft. lengths, \$9.95; 25-ft. lengths, \$5.45.

LAWN SPRINKLERS AND HOSE NOZZLES

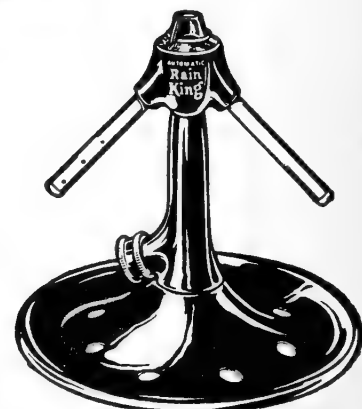


Rain King Model N-1 Nozzle. Price: \$1.35.



Rain King Model D Sprinkler.

Price: \$5.50.



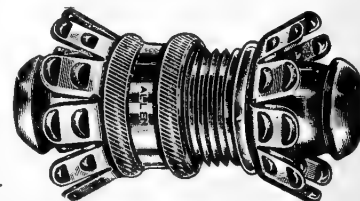
Model K Rain King Sprinkler. Price: \$7.75.

Rain King Model H Sprinkler. (Not shown.) Price: \$6.75.
"Allen" Justrate Cast Brass Hose Nozzle. Price: \$1.00.
"Allen" Globe Revolving Lawn Sprinkler. Price: \$2.75.
"Allen" Improved "Ring" All-Brass Lawn Sprinkler. Price: \$1.60.

BRASS CLINCHING HOSE COUPLINGS AND MENDERS.

Fig. No. 251C Coupling made in three sizes: ½ in., ⅝ in., ¾ in. Specify size. Price: 40c each. Add for postage.

Fig. No. 250 Mender (not shown) made in three sizes: ½ in., ⅝ in., ¾ in. Specify size wanted. Price: 15c each. Add for postage.



Farm Equipment and Dairy Supplies

Clark "Cutaway" Wonder Disker

A remarkably efficient implement for subduing brush land, bog land, cleared woodland, drained swamps, etc. Ideal for thorough and economical orchard cultivation, including sod breaking and disking-in cover crops. Eight 24-inch disks, 6-foot cut, adjustable tractor hitch reversing irons, weight carriers. **Price on request.**

Also other models of "Clark" horse- and tractor-drawn disc harrows, including the flexible and reversible harrows. **Prices on request.**

"King of the Cornfield"

Corn, Pea Planter, and Fertilizer Distributor

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well.

Harder Silos

For many years Ross Bros. Co. has represented Harder Silo Co. in Worcester County. We solicit your silo inquiries.

PIERPONT Q. D. SILO PRESERVATIVE. Old Silos made new. New Silos kept new. Clean, smooth, acid-proof walls make long-life ensilage keepers and produce the finest ensilage. Four gallons coats the average silo, including foundation, chute and doors. Approximate coverage 400 square feet per gallon. No ladders required! Stand on ensilage. Apply when feeding out. **Price:** 1-gal. can, \$4.55 per gal.; 5-gal. can, \$4.45 per gal.

Dairy pails, milk strainers, cotton strainer discs, bottle carriers, bottle crates, milk cans, bottle brushes and other dairy supplies and remedies.

Mid-West Pull Milk Bottle Caps—Stock Designs



Design No. 1405



Design No. 2507



Design No. 1433

Design No. 1395. Milk Pasteurized. (Not shown.)

Design No. 1859. Goat Milk. (Not shown.)

Design No. 2575. Chocolate Milk Beverage. (Not shown.) All above caps are 40-point board, packed in tubes of 500. Mailing weight per 1000, 5 lbs. **Price per 1000, \$1.15; 5000, \$1.05 per 1000; 10,000, \$1.00 per 1000.**

See us for your Special printed bottle and can caps.

B-K GENERAL CLEANER. 125-lb. drum, \$14.90 each; 250-lb. drum, \$29.78 each; 10-lb. carton, \$1.75; 5-lb. carton, 90c.

B-K BOTTLE KOMPOUND. 140-lb. drum, \$10.46 each; 340-lb. drum, \$25.35 each.

B-K POWDER AND B-K LIQUID for dairy and poultry. 1-qt. bottle liquid, 90c; 1-gal. bottle liquid, \$2.00; 5-gal. bottle liquid, \$8.50. 1 1/4-lb. bottle powder, \$1.70; postpaid, \$1.85. 9 1/3-oz. bottle powder, 85c; postpaid, \$1.00.

No. 36. TAN COW HALTER. 1 1/4-inch, riveted. Weight 2 lbs. \$2.25

No. 39. CALF HALTER. 1 inch. Weight 2 lbs. 1.75

PERCHERON TAN HORSE HALTER. 1 1/4-inch, sewed and riveted. Weight 4 lbs. 4.50

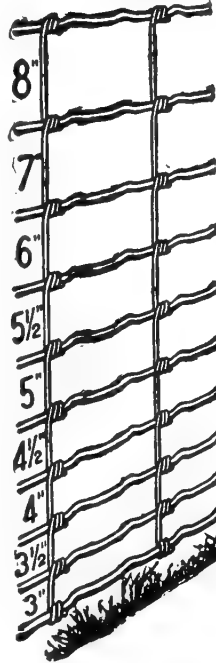
No. 8. SOLID BACK, ENAMELED CURRY COMB .. .45

No. 7. REFORM CURRY COMB. 3 Corrugated Shells, oval shape, leather strap35

No. 35. 6-BAR OPEN CURRY COMB25

No. 125. 4 Coils, reversible spring steel black handle .40
Add postage, 5c each.

47 INCH
10 BARS



Fence and Barb Wire

We offer subject to our stocks and being able to obtain from manufacturer.

Each
80-Rod Spools Lyman. 4 pt. barb wire **Market Price**

80-Rod Spools. 2-ply twisted wire. **Market Price**

10-Rod Roll 1948-6 Special 14 1/2 Fence Wire. 18 horizontal bars, 48 in. high, 6 in. stay. **Market Price**

20-Rod Roll 1047-6 Special 11 Fence Wire. 10 horizontal bars, 47 in. high, 6 in. stay **Market Price**

20-Rod Roll 1047-12 Special 11 Fence Wire. 10 horizontal bars, 47 in. high, 6 in. stay. **Market Price**

See us for
Poultry Netting, Heavy Galvanized Netting and Hardware Cloth.

Bale Ties

We carry the 9-foot No. 15 cross head ties in stock. We find this to be the most popular size, as it makes the most convenient bale of hay. **Per bundle of 250 wires.** Prices on application when available.

Shaffer Hand Power Units

Midget "Come-Along." Tested to 2000 pounds. For light duty. Equipped with 4 feet of 1/4-inch BBB high test chain. Length of travel 37 in. **Price: \$6.50.**

Standard "Come-Along." Tested to 6000 pounds. Equipped with 5 ft. of 3/8-in. BBB high test chain. Length of travel 47 in. **Price: \$9.50.**



Heavy Duty "Come-Along." Tested to 8000 pounds. Equipped with 6 ft. of 7/16-in. BBB high test chain. Length of travel 60 in. **Price: \$12.50.**

Send for circular giving further details.

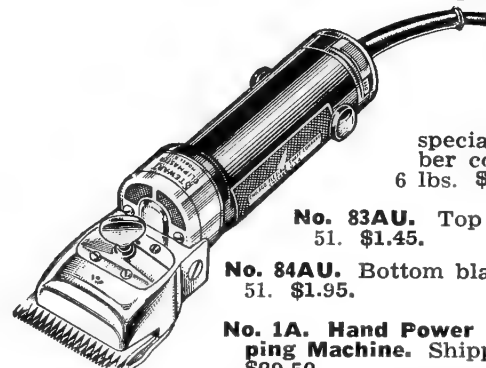
Universal Milk Bottles

	Doz.	Gross
1 quart	Ask	
1 pint	for	
1/2 pint	Prices	

Prices on plain and colored lettered ware quoted on request.



Stewart Electric Clipmaster



Model 51-1 Electric Clipmaster. Quiet, powerful, ball bearing motor, special heavy-duty rubber cord. Shipping wt., 6 lbs. **\$32.50.**

No. 83AU. Top blade for model 51. **\$1.45.**

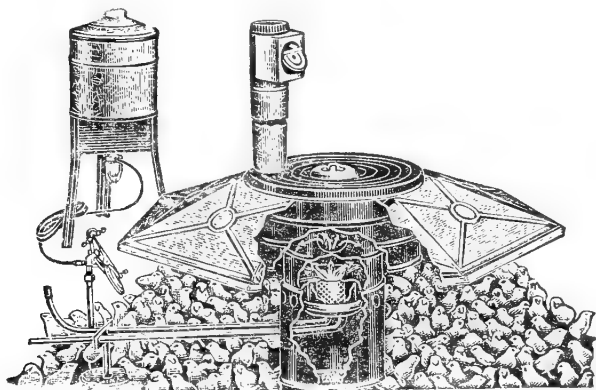
No. 84AU. Bottom blade for new model 51. **\$1.95.**

No. 1A. Hand Power Ball Bearing Clip-ping Machine. Shipping weight 30 lbs. **\$29.50.**

Model 31B-1 Shear-master. (Not shown.) With 2 combs, 4 cutters, 110 volt AC-DC. For shearing the farm flock, tagging and shearing around the eyes of wool-blind sheep. Shipping weight 6 lbs. **Price: \$39.75.**

Poultry Supplies

Oakes De Luxe No-Cold Oil Brooder



BIG HEATER DRUM of blued steel, 22 $\frac{3}{4}$ -inch diameter, 7 $\frac{3}{4}$ inches deep; baffled to provide 7 feet of flame travel. DRUM easily detached from burner for complete cleaning or storing in small space. Drum has lock-seamed top and bottom edges—no gases can escape. FLUE pipe 5 inch. Perfect, carbon free, sootless combustion with kerosene or 34/40 distillate. Oxygen fed to flame through PERFORATED CHIMNEY to produce hot, intense flame. Chimney removable for quick cleaning. Uses 1 to 3 gallons fuel per 24 hours, depending upon size of house and outside temperature. Very economical to operate. Canopy is 60-inch diameter; measures 52 inches from flat side to flat side. **MAXIMUM BROODING CAPACITY:** 475 to 500 chicks.

ONE SIZE ONLY comes complete with 7-gallon galvanized fuel tank, draft equalizer, flue cap, thermostat valve, sediment trap, fuel and overflow pipe, necessary fittings, canopy and heat deflector.

No. 560. NO-COLD OIL BROODER. Price: \$31.40.
No. 361. FUEL TANK STAND. Extra. Price: \$1.45.

Included is a line of Oakes Chick feeders, broiler feeders, flock feeders, Mason jar fountains, chick fountains of all sizes from 1 gallon to 8 gallons. We also have "Oakes" oil, wood and electric brooders, egg scales, egg baskets, roof saddles, nests, and small electric incubators and brooders.

Oakes Galvanized Nests



Sanitary, durable, comfortable. Each nest 11 $\frac{1}{2}$ inches wide, 13 inches deep, 13 $\frac{1}{2}$ inches high. Round entrance hole is 9 inches in diameter. Provide one nest for each 50 hens. For 100 hens you need two **No. 580 Nests**. Easy to assemble with bolts, nuts and metal bracing clips furnished.

No. 580. 10-Hole Nest \$13.40
Shipping weight, 43 lbs. Traps extra.
No. 590. Set of 5 Trap Doors. 2 Sets needed for Nest.
Set of five \$2.85

No. 1265. Oakes Brooder Thermometer \$0.42
No. 263A. Oakes Incubator Thermometer 1.10
Add 5c for postage.

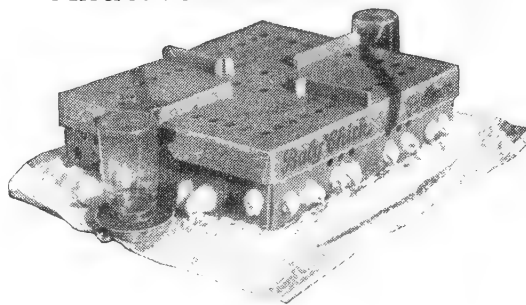
Celluloid Bands

	Assorted Colors	Doz.	100	1000
No. 4. Baby Chick		\$0.10	\$0.35	\$2.50
No. 5. Pigeon .....		.10	.35	2.70
No. 6. Growing Chicks .....		.15	.45	3.30
No. 7. Bantams .....		.15	.45	3.85
No. 9. Leghorns .....		.15	.60	4.50
No. 10. Wyandottes .....		.15	.60	4.80
No. 11. Rocks, Reds .....		.15	.70	5.30
No. 12. Jersey Giants, Brahmas .....		.15	.75	6.15
No. 13. Large Cocks, Turkeys .....		.15	.85	7.70
Postpaid.				

Oakes Sturdy-Boy Wafer Thermostats

No. 416W. 3-inch double brass wafer for all coal brooders, many oil brooders and incubators. 48c each.
No. 16W. 3-inch double brass wafer for oil brooders, screw stud. 48c each. Add 5c for postage.

Anderson Stickless Pullman Boxes



No sticks, no nails, no glue, better ventilation. This stickless Feed-O-Box does the same work as a regular chick box and in addition it acts as a starting brooder for the chicks on arrival.

No. ST100. (100-chick size.) 22x18x5 $\frac{1}{2}$ in., weight 215 lbs. per 100 boxes. Packed 30 in bundle, 120 boxes or over, 32 $\frac{3}{4}$ c each. Bundle lots, 35c each. U-staples extra, \$1.75 per 1000, 20c per 100. By express or freight only.

3x4 Chip Egg Boxes—Handy for Retail Trade

	Weight	Price
Dozen	2 lbs.	\$0.30
Bundle of 250	25 lbs.	3.75

Ask for prices in larger quantities.

Graylawn Farm Louse-Chase

Kills every louse at trifling cost. 9-oz. can, 50c; 22-oz. can, \$1.00.

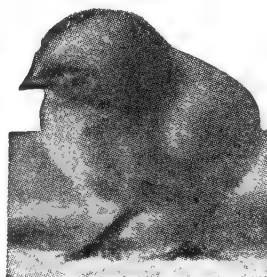
Gold Leaf Tobacco Powder for Poultry Worms

The failure of young birds to develop properly and an unhealthy condition of the older birds, is often caused by the presence in their intestines of poultry round worms.
2-lb. pkg. Mixes with 100 lbs. of mash \$0.25
10-lb. pkg. Mixes with 500 lbs. of mash85

Water Glass

This preparation is used by many in preference to the dry powder. The preservative will preserve eggs perfectly.

Price: 1 pt. (weight 3 lbs.), 25c; 1 qt. (weight 4 lbs.), 40c; 1 gal., \$1.25.



Husky Day Old Chicks

Guaranteed safe arrival when shipped direct from the hatchery.

We are sure that if you order your chicks from us you will be well satisfied.

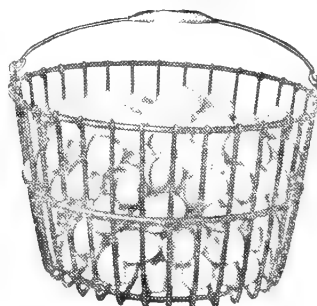
WALKO TABLETS. A valuable Drinking Water Antiseptic for all poultry at all ages. Small pkg. 50c; postpaid, 60c. Large size pkg., \$1.00; postpaid, \$1.10.

No. 64. OAKES MASON JAR FOUNT. Sani-Flow all-glass pan fits into neck of any size Mason Jar. Operates on vacuum principle. No clips, easy to clean. Mailing weight, per doz., 15 lbs. 17c each; doz., \$1.95.

THE ACME EGG-GRADING SCALE. Back again after the war. Price: \$2.95. Mailing weight 2 lbs.

TRUMBULL POULTRY WATER WARMER. Automatic; electric, keeps drinking water at 50 degrees even in sub-zero weather. Use in open pans and fountains. No danger of electric shock and no fire hazard. Price: \$4.20 each, postpaid.

Androck Rubber Coated Egg Basket



No. 2393. Heavy black rubber coating prevents breaking of eggs. Capacity 15 dozen eggs. Holds $\frac{1}{2}$ bu. Mailing weight 5 lbs. Price: \$2.75.

Paragon

Poultry Clocks

Model PS30 Poultry Time Clock. Morning and evening lighting with dimming. Price: \$13.50.

Model PIP Portable Plug-In Poultry Time Switch. Price: \$14.95.

Poultry Supplies

Pratt's Poultry Remedies

POULTRY REGULATOR. Tones up system, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year round for breeders, layers and growing stock. 2 $\frac{3}{4}$ -lb. pkg., 60c; 6-lb. pkg., \$1.20; 35 lbs., \$5.75.

POWDERED LICE KILLER. Is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, on dogs, cats, horses, cattle, hogs, and sheep. In sifter-top cans at 40c and 80c; 50c and 90c, postpaid.

CHICK TABLETS. Makes the drinking water safe, tones up the chicks and effectively treats most diarrhea troubles. Prices: 35c and 70c. Postpaid, 40c and 75c.

PRATT'S ROOST PAINT. $\frac{1}{2}$ -pt. can, 85c; 1-pt. can, \$1.40; 1-qt. can, \$2.50.

DISINFECTANT. Cheap, powerful, non-poisonous disinfectant. 1 qt. (weight 3 lbs.), 85c; 1 gal. (weight 11 lbs.), \$2.15.

PRATT'S "SPLIT ACTION" (Worm). For eradication of tape and round worms in poultry. Adult size, 50 tablets, 85c; 100 tablets, \$1.50; 500 tablets, \$6.00. Chick size, 50 tablets, 55c; 100 tablets, \$1.00; 500 tablets, \$4.35.

Dr. Hess' Poultry Remedies

DR. HESS POULTRY PAN-A-MIN is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth, and in maintaining health. Small size, 35c; 5 lbs., \$1.00; 10 lbs., \$1.75; 35-lb. pail, \$4.75.

POULTRY TABLETS (Roup). Price: 25c, 50c and \$1.00. Postpaid, 30c; 55c and \$1.10.

CHICK TABLETS (Diarrhoea). Price: 25c, 50c and \$1.00. Postpaid, 30c, 55c and \$1.10.

POWDER LOUSE KILLER. 1-lb. pkg., 35c; 2 $\frac{1}{2}$ -lb. pkg., 75c. Postpaid, 45c and 90c.

DIP AND DISINFECTANT. 1-qt. size, 75c; 1 gal., \$2.00.



Oakes Adjustable Roof Saddle

Pipes and caps as shown.

No. 85C. Oakes Revolving Cap. 5-inch. 90c.

No. 143. For 5-inch pipe. Mailing weight 6 lbs. \$2.10.

No. 143C. 5-inch pipe cap. 40c.

Metal Egg Crates

For sending eggs by Parcel Post.

1-Dozen Size	.....	\$1.25
2-Dozen Size	.....	1.50
3-Dozen Size	.....	1.75
4-Dozen Size	.....	2.00
6-Dozen Size	.....	2.50

Oakes Egg Scale

No. 20S. Egg Scale, with adjustable stop. Mailing weight 3 lbs. \$1.80 each.

Oakes Egg Basket

No. 15A. Mailing weight 5 lbs. \$1.05 each; \$10.50 per doz.

Cel-O-Glass

CEL-O-GLASS is a glass substitute used by poultry raisers, also by growers for hotbeds. Has many other uses. Du Pont product. Comes in 25, 50 and 100-ft. rolls, in widths 28 in. and 36 in. We offer subject to our being able to obtain from the manufacturer. Price: 14c per sq. ft. in cut lengths; 13 $\frac{1}{2}$ c per sq. ft. in full rolls.

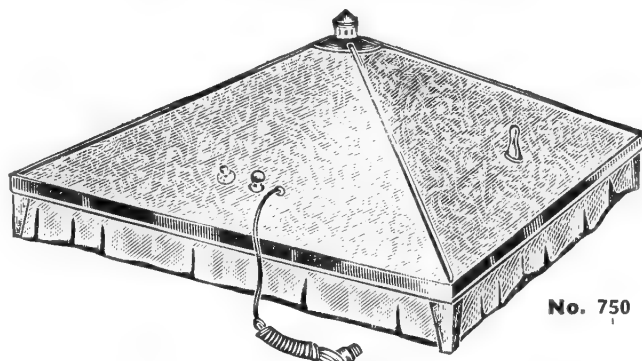
Warp's Window Materials

GENUINE FLEX-O-GLASS. The leading window material. Lets through more healthful ultra-violet rays than other substitutes. Holds in heat better than glass. 36 inches wide. 100-yd. roll, \$57.00; 50-yd. roll, \$28.50; 25-yd. roll, \$14.25; cut price, 57c per yd.

WARP'S WYR-O-GLASS. Wire-base glass substitute: plastic glass. Extra high in ultra violet ray transmission. 36 inches wide. 50-yd. roll, \$48.00; 25-yd. roll, \$24.00; cut price, 96c per yd.

WARP'S GLASS-O-NET. Mesh Base Glass substitute. A plastic glass covered netting. Very transparent, high ultra-violet ray transmission. Can be washed with soap and water. 36 inches wide. 50-yd. roll, \$33.00; 25-yd. roll, \$16.50. Cut price, 66c per yd. Samples gladly sent upon request.

Oakes Electric Brooders



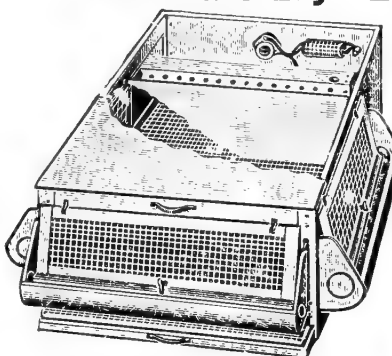
No. 750

No. 750. Fan type 52x52 Canopy. Capacity 350 to 385 chicks. Price: \$38.75.

No. 751. Fan type 48x72 canopy. Capacity 500 chicks. 48.00

NEW ELECTRIC BROODER, No. 700. 100 to 150 capacity. Complete with drop cord, auto heat control. Weight 29 lbs. Price: \$14.40.

Oakes "Gro-Ezy" Electric Brooder



Gro-Ezy Brooders are made entirely of metal; easy to clean. Has guaranteed heater, 110-volt AC automatic thermostat, troughs and drop cord.

No. 801A. Single unit, shipping weight 42 lbs., \$17.25.

See Us for
Oakes Complete
Batteries

Oakes Founts

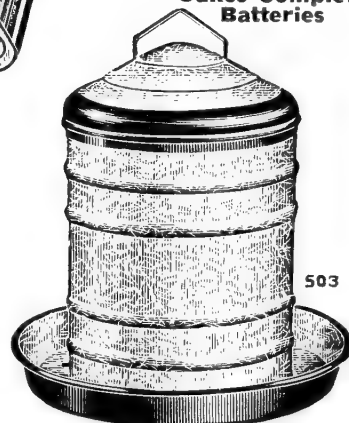
OAKES DOUBLE WALL FOUNTAINS are made of heavy gauge Armco zinc grip steel. Double wall helps to keep water cool in summer and warm in winter. Top and can electric seam welded. Modernistic, roost-proof, smooth rounded tops are die-stamped. Easy grip U-shaped handle for carrying. BRASS SPRING VALVE used on 3-, 5- and 8-gallon sizes only. No. 502, 2-gallon size, operates on vacuum principle. Attractive baked red enamel trim.

No. 502. 2-gal. Cap. Mailing weight, 6 lbs. Price....\$2.20

No. 503. 3-gal. Cap. Mailing weight, 7 lbs. Price.... 2.75

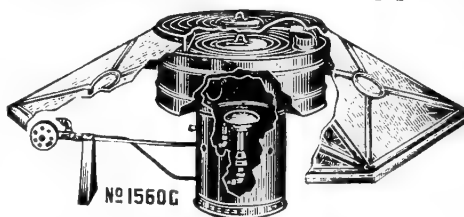
No. 505. 5-gal. Cap. Mailing weight, 11 lbs. Price.... 4.05

No. 508. 8-gal. Cap. Mailing weight, 15 lbs. Price.... 5.95



503

Oakes New Drum Type Gas Brooder



No. 1560G. Drum Type Gas Brooder. Burns artificial, natural or butane gas. Heat radiating drum 22 $\frac{1}{2}$ inches diam. Canopy 60 inches diam. Broods 450 to 500 chicks. No wet litter under

hover. Very economical operation. Automatic temperature control. Enclosed burner—no fire hazard. Can be hung from ceiling. Shipping weight 70 lbs. Price: \$29.00.

Oakes Dixie Wood Brooder Stove

Enjoy low cost brooding this year and increase your profits. Thermostat control. Big stove body, 22 $\frac{1}{2}$ -in. diameter; 23 in. high; over-all height 28 $\frac{1}{2}$ in. Chimney 5 inches. Fuel capacity 5 cu. ft.; wood up to 20 inches long. Complete with canopy.

No. 210. Price: \$17.60.

OAKES BLUE FLAME OIL BROODER. (Not shown.) Canopy 60-inch diameter. **No. 852.** Price: \$16.80.

RELIABLE ELECTRIC CABINET INCUBATORS.

No. 170. Capacity 400 chicks, 4 trays\$ 95.60

No. 171. Capacity 600 chicks, 6 trays109.45

No. 172. Capacity 1200 chicks, 8 trays155.15

No. 173. Capacity 2100 chicks, 14 trays225.70

Farm and Garden Supplies

Prime Electric Fence Controllers

For most effective and most convenient electric fencing, high-line controllers delivering alternating current to the fence are recommended. The multiple impulses of alternating current cause greater muscular reaction—more respect for the fence.

CAUTION: High-line controllers using radio tubes and so-called "combination" controllers do not deliver alternating current to the fence—their shock is the same as battery-operated controllers. All Prime high-line controllers deliver alternating current to the fence and all Prime high-line controllers meet the rigid standards of the Underwriters' Laboratories, Inc.



486
110-120 V., 60 Cycle
Price: \$44.50.

Model No. 486

with
Multiple Signal Lights and
Shock Control

Now—a controller with fully automatic signalling means. The Multiple Signal Light System tells you, automatically and accurately, just what condition your fence is in. If your fence is in good condition—no shorts—all four lights will flash. As soon as any leakage occurs, one or more of the lights will stop flashing. The Shock Control Switch enables you to select the right shock for wet, normal and dry conditions. This controller tells you whether or not it is being used properly.

Model No. 2C1

"Double-Circuit"
Controller

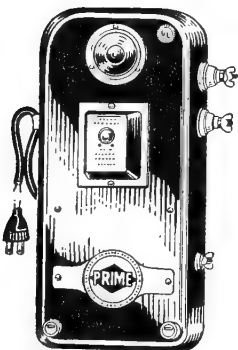
Something new in fence controllers—designed especially for two-wire fences. Ideal for small, fast-moving animals (calves, hogs, sheep and goats). Delivers two independent circuits to fence—one circuit to top wire and one circuit to bottom wire. Short on one wire does not affect the other. Strong shock from either wire to ground and DOUBLY strong shock between the two wires. Effective on driest or rockiest ground.



2C1
110-120 V., 60 Cycle
Price: \$47.50.

Model No. 48

110-120v, 60 cycle



A safe, dependable high-line controller. Approved by the Underwriters' Laboratories. Delivers alternating current to the fence. Same dependable motor and transformer as Model 486.

Big, easily seen Signal Light. Fence terminals for normal and dry conditions.

Price: \$34.50.



Battery Operated Models

No. 333

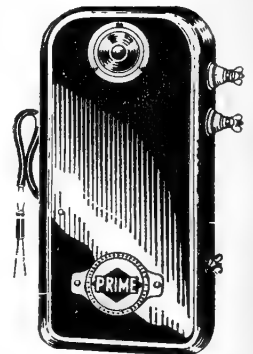
A portable, weather-proof controller. Space in cabinet for hot-shot battery. Equipped with signal light, specially designed motor and transformer, fence terminals for normal and dry conditions, built-in lightning arrester.

Price: \$22.50.

No. 33

Same as No. 333 except for battery compartment and on-off switch.

Price: \$17.00.



Sudbury Soil Test Kits



De Luxe Professional Model

Same kit furnished county agents, government departments, etc. It's first aid to amateurs for finer lawns, flowers, vegetables—the fancier's guide to prize-winning blooms. Shows how to give your soil the right kinds and amounts of fertilizers for all your flowers, vegetables, etc. Also whether lime is needed and how much. Easy to use—no knowledge of chemistry needed. A ten-minute test tells more than a lifetime of gardening.

Contains complete equipment—test tubes, funnels, filter paper, pure tin stirring rod, built-in test tube rack, etc. Solutions for 200 tests for nitrogen, phosphate, potash and acidity (pH). Easy-to-understand instructions. Handsome hardwood lifetime chest. Price: \$22.50.

Horticultural Model. As complete as the De Luxe Professional Model but smaller in size, with less soil testing solution. Full instructions. Wooden chest. Price: \$12.50.

Jr. Professional Model. Makes the same tests as the Horticultural Model, but has less equipment. Solutions for 50 tests. Full instructions. Leathertex case. Price: \$4.75.

Home Garden Model. (Makes 20 tests.) \$2.50.

TRELLISES, FENCE AND ARBORS

	Price
No. 130 Trellis. 8 ft. high, 30 in. wide	\$2.19
No. 124 Trellis. 8 ft. high, 24 in. wide	1.79
No. 118 Trellis. 8 ft. high, 18 in. wide	1.49
No. 812 Tulip Fence. 12 in. high, 6 ft. long	1.69
No. 818 Garden Fence. 18 in. high, 6 ft. long	2.25
No. 824 Garden Fence. 24 in. high, 8 ft. long	3.95
No. 836 Garden Fence. 36 in. high, 8 ft. long	4.50
No. 700 Arbor	7.95
No. 720 Arbor	11.75
No. 730 Arbor	13.75
Posts. For No. 836 fence	1.35

RUTLAND FIRE CLAY CO. PRODUCTS

Rutland Patching Plaster	Rutland Black Asphalt Paint
2½-lb. pkg. \$0.30	1-qt. can \$0.69
5 -lb. pkg. .... .50	1-gal. can 2.25
15 -lb. pkg. 1.00	
Rutland Spackling Compound	Rutland Furnace Cement
1-lb. pkg. .... .20	1-lb. can ..... .18
5-lb. pkg. .... .69	5-lb. can ..... .65
Rutland Concrete Patcher	Rutland No-Tar-In Roof Coating
6½-lb. pkg. .... .50	1-gal. can 1.15
25 -lb. bag 1.10	5-gal. can 4.25
Rutland Black Enamel	Rutland No. 4 Black Roof Cement
½-pt. can ..... .25	1 -lb. can ..... .20
1-pt. can ..... .40	2½-lb. can ..... .45
Rutland Stove Lining	5 -lb. can ..... .80
2½-lb. pkg. .... .30	10 -lb. can 1.35
5 -lb. pkg. .... .50	

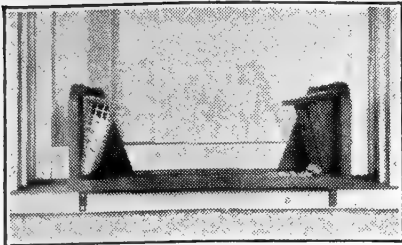
CHIMNEY SWEEP SOOT DESTROYER

Cleans Soot and Scale from firebox to chimney top. Saves fuel—gives more heat for less money. Safe, non-flammable, non-explosive. Regular use helps prevent chimney fires. For use in coal, oil and wood burning furnaces, fireplaces and stoves.

12-oz. size	\$0.29
48-oz. size	1.00
6-lb. size	1.89

New Liquid Type. For all oil and kerosene heating and cooking units. Primary application 1 pint for every 125 gallons. Price: 1 pt., \$1.29; 1 qt., \$2.29. Add for postage.

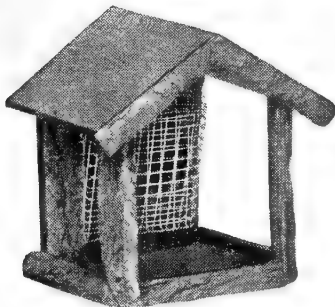
Bird Houses, Baskets and Flower Pots



No. 111

BISHOP'S BIRD HOUSES

- No. 111. Window Feeder. Shipping weight 10 lbs. Price, \$4.40.
 No. 117. Six Way Feeder. Shipping weight 6 lbs. Price, \$3.40.
 No. 116. Seed Feeder. Shipping weight 3 lbs. Price, \$1.30.
 No. 110. Combination Shelter. Shipping weight 6 lbs. Price, \$3.30.
 No. 81. Bluebird House. Shipping weight 5 lbs. Price, \$1.52.
 No. 3. Robin Shelter. Shipping weight 6 lbs. Price, \$2.97.
 No. 120. Weathervane Feeder. Shipping weight 12 lbs. Price, \$12.00.
 Many other Feeders and Houses. Send for complete booklet. Complete stock of Bird Suet Cakes, etc. Also get prices on Ross' Wild Bird Food Mixture.



No. 110

Standard Pots, Pans and Saucers

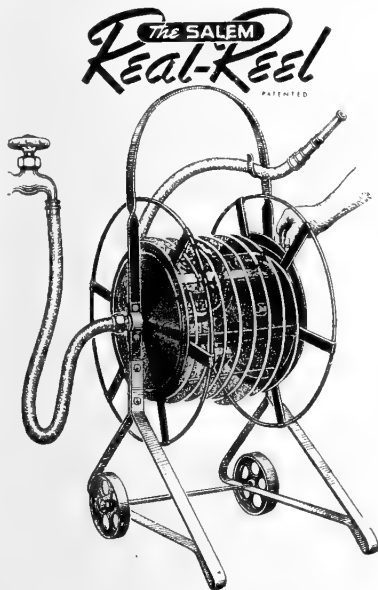
Inside measurements, width and depth equal.

	POTS			SAUCERS			BOTH		
	Ea.	Doz.	100	Ea.	Doz.	100	Ea.	Doz.	100.
3 in.	\$0.05	\$0.35	\$2.50	\$0.05	\$0.30	\$2.35	\$0.08	\$0.60	\$4.35
4 in.	.07	.55	4.00	.05	.35	2.95	.10	.80	6.25
5 in.	.10	.95	7.00	.05	.50	3.90	.13	1.25	9.85
6 in.	.12	1.25	10.00	.07	.70	5.85	.17	1.75	14.00
7 in.	.20	2.25	17.50	.10	.95	7.80	.25	2.75	22.00
8 in.	.30	3.25	25.00	.12	1.35	11.50	.37	4.00	33.00
9 in.	.40	4.25		.18	1.80		.55	6.00	
10 in.	.60	6.25		.25	2.75		.75	8.00	

Positively no flower pots or saucers sent parcel post.

Bulb Pans

	Each	Doz.	100
6 in.	.....\$0.15	\$1.50	\$10.50
7 in.	......25	2.25	17.50
8 in.	......35	3.50	25.00
9 in.	......50	5.00	39.00
10 in.	......60	6.25	50.00



THE SALEM REAL-REEL

Entirely different from other portable reels. This reel connects with faucet by means of patented leak-proof rotating coupling on the side of the reel. The water passes through this coupling into the hose on the reel, and, while the water is running, as much or as little hose as needed can be unreeled. Sturdy, durable and well balanced. All metal construction. Triples life of hose—eliminates kinks and twists—no need to drag hose on the ground—no more soiled clothes. Attractive green and black finish. Holds 150 feet of hose. Packed one to shipping carton, including 5-foot accessory hose. Weighs about 28 pounds. Can be assembled in five minutes. Price complete, \$14.95.

"Victor" Hose Reel. (Upright type.) Capacity 100 ft. 5/8-in. hose. Price, \$4.65.

Style B, No. 10, Hose Reel. Blue enamel finish, cap. 125 ft. 5/8-in. hose. Price, \$7.95.

Evergreen Round Painted Green Flower and Garden Stakes

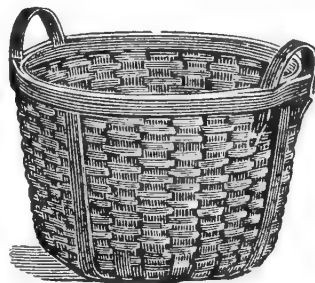
	100	Doz.
No. 24. 3/8 inch diameter, 24 inches long	.....\$ 3.50	\$0.55
No. 30. 3/8 inch diameter, 30 inches long	..... 4.00	.65
No. 36. 1/2 inch diameter, 36 inches long	..... 8.50	1.00
No. 48. 5/8 inch diameter, 48 inches long	.....12.50	1.75
No. 60. 5/8 inch diameter, 60 inches long	.....16.00	2.25

Strapped Bushel Basket

Size	Price
4 -bushel	.....\$5.00
3 -bushel	..... 4.25
2 -bushel	..... 3.10
1 1/2 -bushel	..... 2.50
1 -bushel	..... 1.95

Woven Picking Basket

Size	Price
1/2-bushel, drop bail	...\$1.15



Oxford Stave Basket

	Each
1 bushel	.....\$1.45
1/2 bushel, drop handle	..... 1.10

Baskets

VERBENA AND PANSY BASKET

Used largely for Pansies. \$36.00 per 1000; \$3.95 per 100. Postage extra, 30c per 100.

FOUR-QUART GEORGIA TILLS

For roadside container. \$41.00 per 1000; \$4.35 per 100. Postage extra, 50c per 100.

THREE-QUART VIRGINIA TILLS

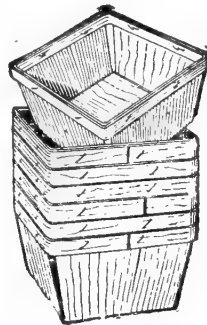
\$39.00 per 1000; \$4.15 per 100. Postage extra, 35c per 100.

TWO-QUART MISSISSIPPI TILLS

\$36.00 per 1000; \$3.95 per 100. Postage extra, 35c per 100.

One Quart All-Wood Berry Baskets

	1000
Strawberry	.....\$16.00
Tight Corner (for Blueberries)	..... 19.00
Oval Pints	..... 14.50
Strawberry qts., \$1.80 per 100. Oval pts., \$1.65 per 100. Tight corner, \$2.00 per 100. Add 25c per 100 for postage.	



Bale Handle Market Baskets

No.	Size	Dimensions	Price
1	1 pk.	18"x10"x6"	.....\$1.25
2	1/2 bu.	21"x12"x6 1/2"	..... 1.35
3	3/4 bu.	23"x13"x7"	..... 1.50
4	1 bu.	24"x15"x8"	..... 1.75
5	1 1/2 bu.	25"x16"x8 1/2"	..... 2.00

Wet Wash Clothes Basket

No.	Dimensions	Price
2	26"x16"x 9"	.....\$2.45
3	28"x18"x10"	..... 2.75
4	30"x20"x10"	..... 3.10
5	32"x20"x10"	..... 3.65

Old Trusty Dog Foods

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
All Terrier	.....\$1.45	\$3.11	\$6.00	\$12.00
Top Notch	..... 1.45	3.11	6.00	12.00
Puppy Biscuits	..... 1.45	3.11	6.00	12.00
Dog Cakes	..... 1.45	3.11	6.00	12.00
Bone-shaped Biscuits	..... 1.50	3.21	6.25	12.50
Old Trusty Bovex. 1-lb. cans, 15c each; case of 48, \$6.75.				

Tree Labels

Copper wired, 3 1/2 inches. Weight 5 lbs. Per 1000...\$4.75

Pot Labels

	Wt. per 1000	100	1000
4 in.	4 lbs.	.....\$0.45	\$3.50
6 in.	5 lbs.	..... .55	4.35

Garden Labels

	Wt. per 1000	100	1000
8 in.	14 lbs.	.....\$1.10	\$9.75
10 in.	17 lbs.	..... 1.25	11.25

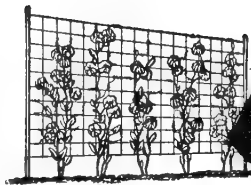
Plant Sticks

For pot or garden use. Square; painted green.

	Each	100		Each	100
1 ft.	\$0.03	\$2.35	3½ ft.	\$0.13	\$11.50
1½ ft. ....	.03	2.35	4 ft. ....	.16	14.50
2 ft. ....	.04	3.00	5 ft. ....	.23	21.50
2½ ft. ....	.05	3.85	6 ft. ....	.26	24.50
3 ft. ....	.09	8.50			

Farm and Garden Supplies

Train-etts



**NEW!
DIFFERENT!**

**Weatherized
TRELLIS
NETTING**
Ideal support for
Sweet Peas, Gar-
den Peas, Pole
Beans, Tomatoes,
Cucumbers.

Grows finer and
larger flowers and
vegetables. Hung
with ease in five
minutes; no fuss

or bother. Use instead of string or wire. (Wire in sun
burns delicate tendrils.)

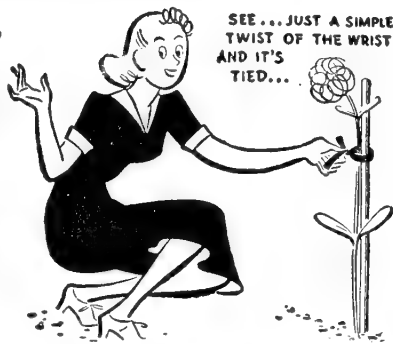
Doesn't rot like string—lasts several seasons. In three
sizes: No. 1, 60x72 in., 65c. No. 2, 60x96 in., 85c. No. 3,
60x180 in., \$1.25. Postpaid.

'TWIST-EMS'

**Help You to Support
Plants Quickly, Neatly,
Permanently.**

Say "goodbye" to un-
sightly twine and raffia,
to needless work with
shears. Say "hello" to
TWIST-EMS, to garden-
ing fun, to lovely plants
neatly and properly sup-
ported. TWIST-EMS—
strong, dark-green "in-
visible" tapes with wire
reinforcing—protect
stems, permanently sup-
port annuals, perennials,
vines, shrubs and vege-
tables. Grand for flower
arrangement. Millions used by successful nurserymen,
professional and amateur gardeners. Buy today.

(B) Box of 125, 8-inch size, 35c. (C) Box of 250, 4-inch
size, 35c. (D) Box of 125, 16-inch size, 65c. (E) Box of
50, 8-inch size, 15c. Add 10c, box any size, for postage.



SEE...JUST A SIMPLE
TWIST OF THE WRIST
AND IT'S
TIED...

Sandvik Saws



No. 17A. Non-adjustable with 1x30 in. blade	\$3.25
No. 10A. Non-adjustable with 1x36 in. blade	5.25
No. 10A. Non-adjustable with 1x42 in. blade	5.70
No. 25L. Adjustable with 1x42 in. blade	7.40
No. 25L. Adjustable with 1 3/8x48 in. blade	7.75

Clyde Pruners

The Clyde Drawcut Pruners produce a powerful sliding
cut movement of the blade. The blade hook and shank
are forged from tool steel.

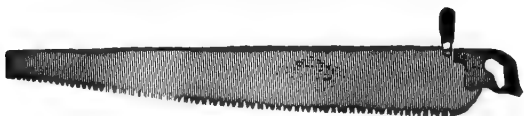
No. 5403. 22 in. Drawcut, strapped ash handles	\$5.75
No. 5402. 24 in. Drawcut, strapped ash handles	6.00

Seymour Smith No. 3 Standard Tree Pruner

With Lever Handle

6 ft.	\$3.50
8 ft.	4.00
10 ft.	4.50
12 ft.	5.00

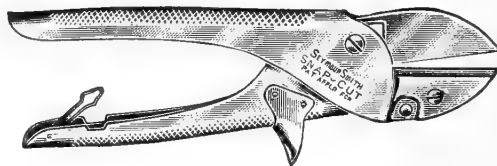
Simond's One-Man Saws



No. 111. 3 ft.	\$4.95
No. 111. 3 1/2 ft.	5.75
No. 111. 4 ft.	6.30
No. 392. Supplementary D-Handle extra	1.00

Also Simond's Two-Man Cross Cut Saws, Curtis One-
Man and Two-Man Saws, Disston Pruning Saws.

Snap-Cut Pruning Shears



Nationally known quality Pruners, choice of leading
horticultural experts. Clean, sure, slicing stroke does not
injure bark and leaves, quick healing cut.

No. 419. The new lightweight streamlined "Snapcut"
aluminum alloy body. Outstanding length 8 inches. (Not
shown.) Price: \$2.75.

No. 119. Original "Snapcut" finished in bright chromium
plate. Length 8 inches (as shown). Price: \$2.50.

No. 118. Ladies' "Snapcut" pocket size. Length 6 inches
(not shown). Price: \$1.89.

Add 15c for postage.

"Tiffany" All Steel Tree Pruners



Cuts from both sides of the
limb and does not bruise the
bark. Cuts 1 1/2-inch limbs with
ease. Light, powerful and
practical. The blade has the
draw cut principle and cuts
very smoothly.

Length, 20 in.; weight, 2 1/2 lbs.
Price: \$3.75.

Length, 24 in., weight, 3 lbs.
Price: \$4.00.

Length, 28 in.; weight, 3 1/2 lbs.
Price: \$4.25.

Columbia Fruit Step Ladder

This fruit step is the latest, strongest, best and most
practical fruit step on the market. Made from clear
spruce; steps reinforced with truss rods. Made in 5, 6,
8-, 10-, and 12-foot lengths. Per ft., \$1.25.

Extension Ladders

Made from white spruce and rec-
ommended by telephone and tele-
graph folks who use these. Allow
4 ft. for lap.

Feet	Per Ft.
20 to 32	\$1.00
34 to 44	1.05

Common Taper

Made of white spruce. Very strong
and durable.

Feet	Per Ft.
10 to 18	\$0.82
20 to 22	.90

Closed Top Fruit

This ladder manufactured pur-
posely for fruit picking. Upper sec-
tion closed or pointed at top to run
up in thick branches of trees. 10 to
22 ft., 93c per ft.

N. Y. Truss Step Ladders

Clear eastern spruce throughout.
4 ft. to 10 ft. Price: \$1.10 per ft.

Rubbish Burners

Skyscraper

Model E. 27"x16"x16"	\$ 4.50
Model 3D. 30"x20"x20"	7.95
Model 4D. 36"x24"x24"	12.95
No. 100C "Firegard" 31"x19"x19"	5.95
Cyclone "Catchall" Basket	3.25

Certainteed Roofing Paper

Cert Smooth. 55-lb. and 65-lb.	} Ask for Prices
Guard Smooth. 45-lb.	
Cert Slate Surface. Red, green, black	

Farm and Dairy Supplies

Warriner's Patent Chain Cattle Stanchions

Used in a large number of stables. A short chain secures the fastener to the top beam so that it suspends 1½ inches clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom. Each \$4.50.

KOW KARE. The concentrated tonic, conditioner and regulator to promote assimilation, aid low cost milk production and build up vigor for calving. 75c size, mailing weight 2 lbs.; \$1.35 size, mailing weight 4 lbs.

BAG BALM. For teat and udder ills and all farm healing. 75c, mailing weight 1 lb.

BAG BALM DILATORS. For quick healing of spider scales, bruises, etc. 25 dilators sterilized and packed in Bag Balm. 75c, mailing weight 1 lb.

Moore Bros. "Purple" Medicated Wax Teat Dilators

For obstructions, spiders, sores on end of teat, hard milkers, etc.

1½ doz. Dilators, 25c; 7 doz. Dilators, \$1.00, postpaid.

Dr. Naylor's Veterinary Products

MEDICATED TEAT DILATORS. For the treatment of spider teat, scab teats, cut and bruised teats, obstructions. Medicated, packed in antiseptic ointment. Large pkg. (45 dilators), \$1.00; postpaid, \$1.10. Trial pkg. (16 dilators), 50c; postpaid, 60c.

UDDER BALM. Antiseptic ointment, stays in prolonged antiseptic contact, reduces danger of infection. Soothing, healing ointment for many everyday uses. Price: 60c; postpaid, 70c.

UDDER LINIMENT. Antiseptic massage cream, relieves soreness, reduces congestion. Price, \$1.00; postpaid, \$1.10.

LINE. Antiseptic compound for stubborn conditions, hoof rot, canker, thrush. Price, \$1.00; postpaid, \$1.10.

DIRENE. Antacid, intestinal astringent for simple diarrhea, acid indigestion. Price: \$1.00; postpaid, \$1.10.

TONIC POWDER. For horses and cows. Stimulant, tonic, aids digestion. Price, 75c; postpaid, 85c.

STOP-A-LEAK. For cows' teats that leak milk. Tightens muscle end of teat. Price, \$1.00; postpaid, \$1.10.

LOUSE POWDER. Dr. Naylor's Louse Powder contains 55% active ingredients. Kills lice on cattle, horses, goats, etc. Price: 12-oz. pkg. 50c; postpaid, 60c.

DEHORNING PASTE. A quick and economical method of dehorning young animals: 4-oz. jar, price, \$1.00; postpaid, \$1.10.

ANTISEPTIC DUSTING POWDER. For galls, blisters, skin irritations. Price, 50c; postpaid, 60c.

Penstix

Mastitis caused by Streptococcus agalactiae can now be controlled easily with Penstix product of Wyeth, Inc. Easy to use. Penstix are ready for immediate insertion without troublesome accessories. Just remove from vial and insert with clean hands and ordinary sanitary precautions. Full directions with each vial.

Vial of 12. Price: \$4.25; postpaid, \$4.35.

Vial of 6. Price: \$2.50; postpaid, \$2.60.

"Kant Suk" Weaners

No. 1055 for Calves. Price: 40c.

No. 1055½ for Yearlings. Price: 50c.

No. 1056 for Cows. Price: 60c.

Mailing weight 1 lb.

Gambine

For Hoof Rot, Sore Teats, Cuts, Wounds, Sores, Ulcers, Infections. Gambine Ointment is both germicidal and fungicidal.

GAMBINE OINTMENT. 1-lb. jar. Each\$2.00

GAMBINE TINCTURE. 1-pt. bottle. Each 2.00

TUBES OF GAMBINE INJECTION OINTMENT. Doz. 3.00

Send for circular.

Salt Bricks

ROTO SALT BRICKS. Weight 6 lbs. Each \$0.25 Doz. \$2.50

SQUARE SALT BRICKS. Weight 5 lbs.25 2.50

Johnson & Johnson Cotton Discs

6 in. 300 to carton. Plain ...\$1.75—Single face ...\$2.50

6½ in. 300 to carton. Plain ... 1.90—Single face ... 2.65

Mailing weight 3 lbs.

Sterling Smoked Salt (Sugar Cure)

Ready to use. For curing hams. 7½-lb. pkg.\$1.00

Postage extra.

Axes

World's Finest True Temper. 3 lbs., 3½ lbs. Unhanded\$2.65

World's Finest True Temper. 3 lbs., 3½ lbs., with Hickory handle 3.65

Knot Klipper. 3 lbs., 3½ lbs., with Hickory Handle.. 3.80

Dazey Churn

New glass jar of sensational design. Easier to clean, more butter, no sharp corners to pocket unchurned cream. New jar can be cleaned easily, quickly. Fully enclosed high-speed gears; longer crank makes churning faster, easier.



No. 4. 4-qt. size. (Churning capacity 2 qts.) ..\$3.95

No. 8. 8-qt. size. (Churning capacity 4 qts.) .. 4.95

No. 4J. 4-qt. glass jar .. 1.25

No. 8J. 8-qt. glass jar .. 1.80

Butter Moulds

½-lb. Butter Mould\$1.20

1-lb. Butter Mould 1.25

2-lb. Butter Mould 2.00

Add 10c to any above for postage.

The Cyclone Broadcast Seeder

Will sow Timothy, Clover, Oats, Wheat, Rye, Buckwheat, Red Top, Hungarian Millet, and all other grains and seeds perfectly even. Mailing weight 2 lbs. Price: \$3.75.



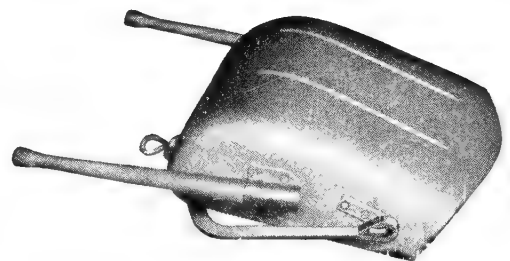
Corn Hooks

No. 6CH Yankee Corn Hook\$0.60

Oakland Corn Hook. Plain blade50

Brooks Corn Hook. Serrated blade60

Steel Scraper with Runners



No. 1. Carries 7 ft. of earth\$18.25

No. 2. Carries 5 ft. of earth..... 17.00

No. 3. 14.75

Eagle Brand Farm Tarpaulins

Individually packaged in cartons. The right Tarpaulin at the right price. All-purpose sizes that fit the needs of farmers.

Khaki Color Farm Tarpaulins

No. 1 size— 6 ft. x 8 ft.\$ 5.79

No. 2 size— 8 ft. x 10 ft. 9.75

No. 3 size—10 ft. x 12 ft. 14.69

No. 4 size—10 ft. x 14 ft. 16.98

No. 5 size—12 ft. x 16 ft. 23.40

Green Color Heavy Duty Farm Tarpaulins

No. 6 size—12 ft. x 18 ft. 32.40

No. 7 size—15 ft. x 20 ft. 45.00

No. 8 size—18 ft. x 24 ft. 64.80

Farm and Garden Supplies

BIRD Vita-Bands



VITA-BAND 40: Growers are reporting outstanding results in vigorous well balanced growth. Exclusive nutrient treatment affords a liberal supply of balanced plant food. Transplanting shock eliminated, saving one to three weeks set-back. Sturdy fiber resin construction maintains best moisture conditions with watering frequency cut 50%. Save space and growing time. Quick set-up and rapid removal.

VITA-BAND 10: Designed for growing periods of 8 to 10 weeks. A low-cost nutrient treated band especially good for annuals and vegetables. Produces growing results similar to Vita-Band 40.

PLANT BANDS		PRICE PER 1000—SIZES IN INCHES							
Sold in units of 1000 only	$1\frac{1}{2} \times 1\frac{1}{2}$ $\times 2\frac{1}{2}$	$1\frac{3}{4} \times 1\frac{3}{4}$ $\times 2\frac{1}{2}$	2×2 $\times 2\frac{1}{2}$	2×2 $\times 3$	$2\frac{1}{2} \times 2\frac{1}{2}$ $\times 3$	3×3 $\times 3$	4×4 $\times 3$	4×4 $\times 4$	
VITA-BAND 40	—	\$4.90	\$5.40	\$5.90	\$6.95	\$8.10	—	—	
VITA-BAND 10	3.00	3.35	3.65	4.15	4.75	5.65	7.35	8.95	

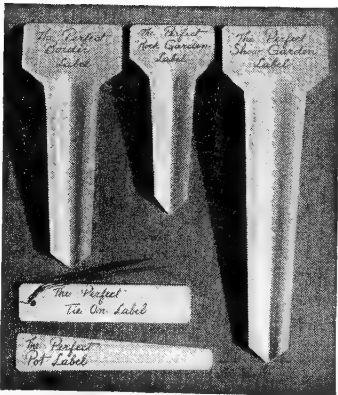
TOM THUMB FLATS



Bring customers back to YOU for repeat business by using Tom Thumb Flats imprinted with your name. Use one of these attractive designs, with your ad printed on four sides for only \$3.00 per 1000 additional charge. Choice of orange, yellow or light green imprinting. Tom Thumb Flats are made of heavy waterproof fiber resinous material. Use with Vita-Band 40 or Vita-Band 10. The most economical way to sell potted annuals in dozen lots. Potted plants sell easier at premium prices. Build sales and repeat business with easier-to-set-out potted plants in this neat package.

No. 1—for 1-doz. 1¾-in. bands. **No. 2**—for 1 doz. 2-in. bands. Specify color if imprinting is desired. Add \$3.00 per 1000 to cost below.

Combination 1M Flats				Sold Units of 100 Sets only	Tom Thumb Flats	
12M Vita-Bands 40 Per 1000 Sets		12M Vita-Bands 10 Per 1000 Sets			Size No. 1	Size No. 2
Size No. 1	Size No. 2	Size No. 1	Size No. 2			
\$88.15	\$97.70	\$71.95	\$79.80	Per 1000	\$35.80	\$39.85



Perfect Garden Label

Accepted as the perfect garden label by all who have used them. Easily and permanently marked with ordinary lead pencil. The beautiful gray-green color blends with the soil, foliage and rocks. Prices postpaid as follows:

SHOW GARDEN LABEL. Length 7 in., width of marking space 2½ in.
12 labels \$ 1.50
25 labels 2.90
100 labels 11.25

TIE-ON LABEL. Length 3½ in., width ¾ in. Sturdy copper wires in convenient bundles ready bent for attaching.
100 labels in box ... \$3.60

POT LABEL. Length 4 in., width ¾ in. at wide end.
100 labels in box ... \$3.00

BORDER LABEL. Length 5 in., width of marking space 2 in.
12 labels \$1.25
25 labels 2.40
100 labels 9.25

ROCK GARDEN LABEL. Length 4 in., width of marking space 1¾ in.
12 labels \$1.15
25 labels 2.00
100 labels 7.90

NEEGARDS

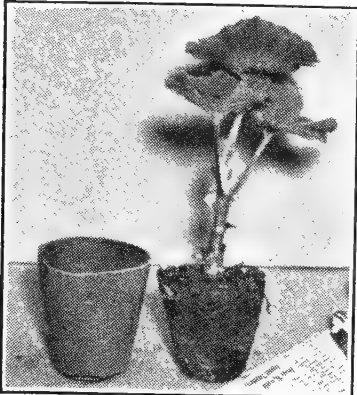
The modern Knee Protector. Ideal for any work that requires kneeling on the ground or on the floor. Neegards are form fitting, completely adjustable to fit any size knees. Price: Per pair, \$2.00; postpaid, \$2.10.



BIRD RED AND GREEN POTS

RED: For shipping only. Not recommended for growing. Lightweight and sturdily made to protect rootball from breakage—inner wax coating prevents drying out. A "must" to preserve the top quality of your plants in transit. Delivering quality promotes repeat business.

GREEN: Sturdy fiber resinous material for growing and shipping plants.



PRICE LIST AND SIZES IN INCHES			
GREEN		RED	
	1000		1000
2 in.	\$1.20	2 in.	\$0.80
2¼ in.	1.20	2¼ in. ....	.80
2½ in.	1.25	2½ in. ....	.85
3 in.	1.45	3 in. ....	.95
3½ in.	1.85	3½ in.	1.20
4 in.	2.20	4 in.	1.35
5 in.	2.85	5 in.	1.65
6 in.	3.75	6 in.	2.00
	10.45		6.85
	10.80		6.85
	11.50		6.90
	13.15		7.30
	17.00		9.65
	20.30		11.55
	27.60		14.15
	35.70		17.65

stikit
wikit
REG. U.S. PAT. OFF.

LAWN FENCE

Sprabulbs

PROTECTS and BEAUTIFIES YOUR LAWN AND GARDEN

For florists and gardeners. Brass discs.

ECONOMICAL EASY TO INSTALL

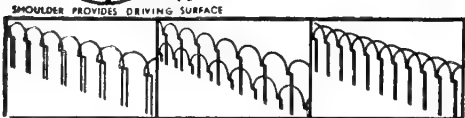
SPRABULB "B." 8 ounces. Price: \$1.00; postpaid, \$1.10.

SPRABULB "C." 12 ounces. Price: \$1.50; postpaid, \$1.60.

Ideal for grounds about homes, apartment houses, hotels—wherever lawns, gardens or flower beds need protection. Made of steel and durably enameled.

\$2.40
PER DOZ.

¼ in. ROD
20½ in. HIGH



Starline Barn Equipment and Farm Supplies

STARLINE LITTER CARRIERS



STARLINE VENTILATORS

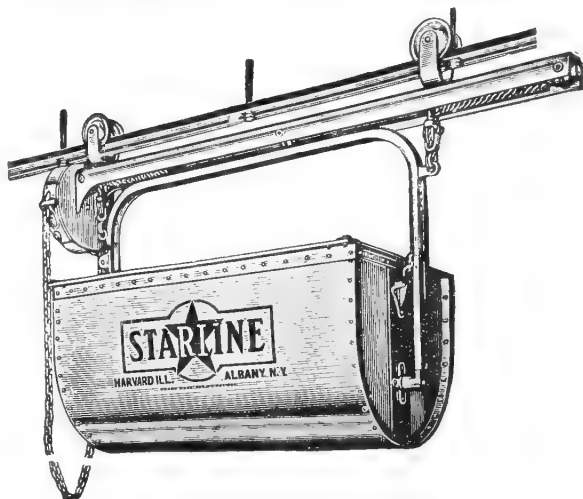
Starline Taper Base Ventilators are generally used on hog houses, poultry houses or other buildings smaller than the main barn, they usually set on the ridge but can be set on the side roof if desired.

No. 20 Starline Ventilator. 20-inch; wt. 65 lbs. **Price: \$32.00.** (Vane extra.)

No. 24 Starline Ventilator. 25-inch; wt. 100 lbs. **Price: \$42.00.** (Vane extra.)

No. 30 Starline Ventilator. 30-inch; wt. 150 lbs. **Price: \$52.00.** (Vane extra.)

No. RH-12 Starline Frost-Proof Revolving Head Ventilator (not shown). 12-inch flue, 16x16 in. base; height 31 1/4 in.; wt. 20 lbs. **Price: \$11.50.**



No. 411 Starline Streamlined Litter Carrier. With No. 6 tub (10 bus.) **Price: \$80.00.**

No. 411 Starline Streamlined Litter Carrier. With No. 8 tub (12 bus.) **Price: \$87.00.**

Conveyor Only. For No. 411 Carrier. **Price: \$38.00.**

Bail Only. For No. 411 Carrier. **Price: \$10.00.**

No. 6 Tub (10 bus.). (No bail or conveyor.) **Price: \$32.00.**

No. 8 Tub (12 bus.). (No bail or conveyor.) **Price: \$39.00.**

No. 444 Litter Carrier Track. 6- and 10-ft. lengths (including No. 852 splicer.) **Price: 40c per ft.**

No. 414. 10 1/4-Inch Hangers. **Price: 31c each.**

Starline Floor Truck for No. 6 Tub with 16x4 inch hollow center cushion tires. Caster wheel 8x2 inch solid cushion tire No. P1272-6. **Price: \$74.00.**

No. P1272-8 for No. 8 or No. 6 Tub with 12x3 inch hollow center cushion tires. Caster wheel 6x2 inch hollow center cushion tire. **Price: \$68.00.**

STARLINE STANCHIONS



No. 1285W Stanchion. (Not shown.) Wood lined. **Price: \$6.60.**

No. 1211W Stanchion. (As shown.) Wood lined. **Price: \$5.50.**

No. 1211 Stanchion. (Not shown.) All steel. **Price: \$4.80.**

No. 627 Stanchion Fastenings. **Price: 30c.**

No. 13 Starline Stalls. 3 ft. 6 in. wide. With No. 1285W Stanchions (and with rust shield.) **Price: \$20.70.**

STARLINE HAY BARN EQUIPMENT

No. 493A Starline Hay Carrier Sheaves. 7 inches in diameter. **Price: \$28.00.**

No. 564A Starline Hay Carrier Sheaves. 4 inches in diameter. A sturdy carrier at a moderate price. **Price: \$23.00.**

No. 581 Starline Double Angle Track. 6- and 10-ft. lengths with No. 582 Splices. **Prices: Ft., 40c.**

STARLINE LOOSE TINE HAY FORKS

No. 526. Standard 26-in. tines. **Price: \$16.50.**

No. 532. Giant 32-in. tines. **Price: \$17.90.**

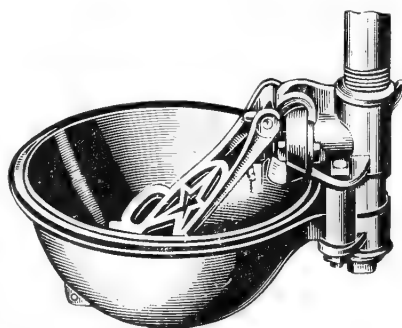
No. 248. Steel frame pulley with 6-in. hard maple sheave. **Price: \$1.60.**

No. 1043. Hooks in rafter brackets. **Price: 9c.**

No. 583-6. 6-in. track hangers. **Price: 29c.**

Starline No. 35 Taper Top Sterilizing Tank. **Price: \$17.50.**

STARLINE WATER BOWL



No. 235 Starline Water Bowl. Easy to clean. Works under pressure. Easiest for cow to work. Keeps fresh water before the cow all the time. Furnished in gray enamel. **Price: \$5.50.**

No. 1000 Galvanized Pressed Steel Bowl. **Price: \$5.40.**

We also stock Cannon Ball Barn Door Track, Hangers, Brackets, Stay Rollers, Pulls and Latches. Starline Cannon Ball Track is self cleaning, bird-proof track, with self-oil hangers.

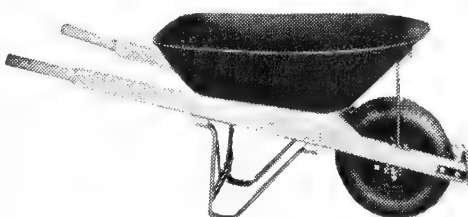
Prices on all these items on request.

BUCH STEEL TRAY WHEELBARROWS

No. 154 Buch Steel Tray Wheelbarrow. With wood handles and steel wheel. Capacity 4 cu. ft. Round front. **Price: \$14.75.** With 2-ply 16x4 plain bearing rubber tired wheel. **Price: \$25.95.**

No. 155 Buch Steel Tray Wheelbarrow. With wood handles and steel wheel. Capacity 5 cu. ft. **Price: \$16.75.** With 2-ply 16x4 plain bearing rubber tired wheel. **Price: \$27.95.**

No. 174 Buch Steel Tray Wheelbarrow. Same as No. 154 only with square front. With steel wheel. **Price: \$14.75.** With 2-ply 16x4 plain bearing rubber tired wheel. **Price: \$25.95.**



No. 154—As Shown

heaped, 5 cu. ft.; struck, 4 cu. ft. Hardwood handles. **No. 455.** With 2-ply 16x4 plain bearing rubber tired wheel. **Price: \$32.95.**

No. 20 Home Barrow. Steel tray, wood handles and steel wheel. **Price: \$10.75.** With 16x2 in. semi-pneumatic rubber tired wheel, 3 cu. ft. rated capacity. **Price: \$14.25.**

Buch Aluminum Tray Barrow. Light weight, corrosion resistant. Designed for general contractors' use where large capacity and ruggedness are important factors. The edge of trays rolled over 1/4-inch steel rod for extra strength. (Not shown.) Tray capacity:

Garden and Lawn Supplies



HY-TROUS LIQUID FERTILIZER

ODORLESS—ECONOMICAL—BALANCED

1 Tablespoonful makes 1 Full Gallon

A remarkable liquid fertilizer, this HY-TROUS. Completely balanced . . . concentrated; one tablespoonful makes a gallon of efficient plant food when mixed with water . . . will not burn the most tender root, leaf, or flower . . . easily applied . . . positive in results . . . economical to use . . . completely odorless. For flowers, fruits, vegetables, lawns, shrubs, trees, and house plants.

Marjorie Mills will tell you about Hy-Trous every week over WBZ and the New England Network.

3 ozs... \$0.25
8 ozs... .59
16 ozs... .99
32 ozs... 1.79
1 gal... 5.95
**BUY
TODAY!**

For sturdy, healthy growth in all types of plant-life, use

HY-TROUS

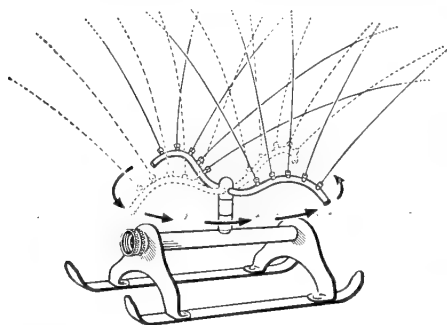
Concentrated Odorless Liquid Fertilizer

Rugg "Kleenup" Rake



A low priced durable rake. 22 teeth.
No. 48. Price: \$1.00.

"Avon" Rotary Type Sprinkler Model 700

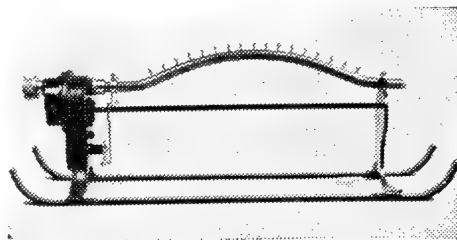


**It's New
It's Different**
When water is emitted through the nozzles it provides a natural rainlike shower. The rotary mechanism is made of stainless steel to insure long life and is precision made. Sledlike chassis enables it to be moved without tipping or shutting off water. Provides an even distribution in

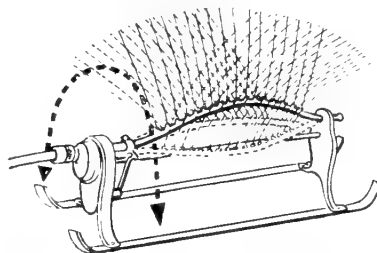
a circle up to 50 feet from center to outer edge. Guaranteed by Mfg.
Mailing weight, 3 lbs. Price: \$6.95.

"Avon" Lawn and Garden Sprinkler

Oscillating Type—Model 1500



Precision made and highly recommended by expert landscapers. Ideal for newly seeded or matured lawns. Will not wash or puddle. Has a very unique coverage of 1500 sq. ft. in a rectangular area. This method of sprinkling gives water ample time to penetrate deeply into the turf, giving grass a good deep root and protects it from hot sun.



Sledlike chassis enables it to be moved with ease and can be approached without having to shut off water.

Guaranteed by Mfg.
Mailing weight, 6 lbs.
Price: \$15.00.

Rugg "Kleen-Sweep" Rake

Fitted with steel neck. "Kleen Sweeps" clean the finest lawns. The wooden handle is reinforced with strong steel collar where most of the breakage occurs.

No. 41. 18-inch head, 30 teeth.
Price: \$1.65.

The New Sunbeam Hedge Trimmer



Faster, easier way to trim hedges, shrubs, ornamental trees. So light in weight it can easily be used with one hand. Saves time—gives neat, professional results—takes arm-aching drudgery out of trimming. Well balanced for easy handling.

No. A-1 Sunbeam Hedge Trimmer. 110V. AC-DC. Packed one to a box. Shipping weight 7 lbs. Price: \$37.50.

No. G-11BW. Extension Cord. 50 ft. Mailing weight, 4 lbs. Price: \$4.50.

No. G-12BW. Extension Cord. 75 ft. Mailing weight, 5 lbs. Price: \$5.95.

No. G-13BW. Extension Cord. 100 ft. Mailing weight, 7 lbs. Price: \$7.95.

Disston Spring Rake

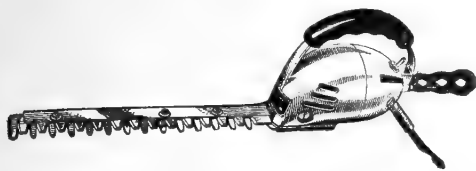
(Not shown)

The Disston Spring Rake is outstanding. The only rake with a "Backbone" Spring which takes the strain off the teeth.

No. D18. 18 inches wide \$2.25
No. D24. 24 inches wide 3.00

Farm and Garden Supplies

ELECTRIMMER ELECTRIC HEDGE TRIMMER



Powerful — Handy — Dependable!

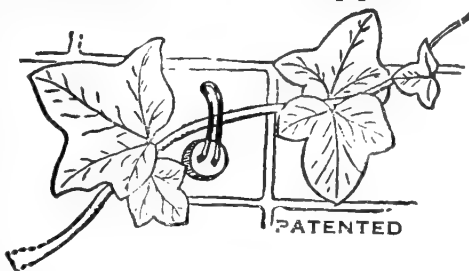
ELECTRIMMER is no toy—it's the most powerful tool of its kind made, not to be confused with ordinary light growth trimmers. It is easy to handle—weighs only six pounds. Operates from any light socket. Guaranteed against electrical and mechanical defects.

A Real Tool For a Real Job!

Built to give enduring service. Has universal electric motor with die-cast aluminum housing and handy thumb-operated toggle switch. Special alloy gears. Cutter blade, 12 inches long, is made of finest steel. Price shown below includes 6 feet of best rubber-covered cord. Price: \$37.50.

Wayward Vine Guide and Support

A new and easy way to train all kinds of vines to stucco, brick, stone, cement and wood walls without nails or holes because the supports are cemented to the wall with a special material supplied for this purpose.



This special cement is not affected by any weather conditions. The vines are held in place by wire loops which may be bent easily. Your choice of brick-red, gray, or white. State color wanted. Price: Per box of 25, including cement, \$1.00, postpaid.

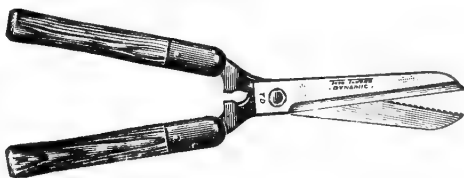
True Temper Hedge Shear

True Temper Dynamic Hedge Shears are made from finest quality hedge shear steel and precision fitted.

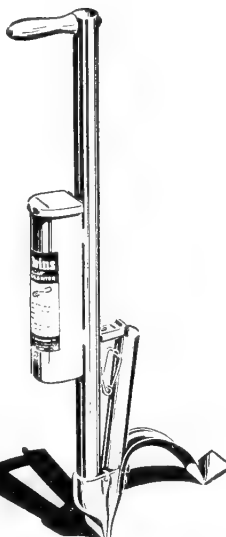
Blades: upper knife sharp, lower serrated.

Patented hinge bolt and nut designed especially for this shear gives close and positive adjustment. Fire hardened oval design handles.

No. TD. Blade length 8½ inches. Mailing weight 3 lbs. Price: \$3.00.



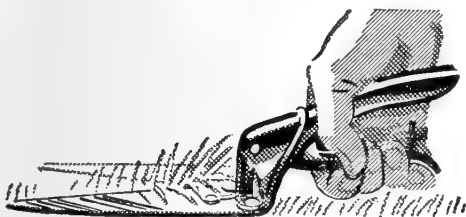
Corn Planter



No. 925 Dobbins Superbilt All-Steel Corn Planter.

Easy to operate. One hand automatic corn planter of unique design. Mailing weight 6 lbs. Price: \$4.20.

Doo-Klip Standard Grass Shear



America's favorite shear with the "up and down" action—as easy as a handshake. Serrated, cadmium plated blades grip and cut grass smooth and clean. Self-sharpening, self-tensioning blades, and pinch-proof handles. Price: \$1.95.

True Temper Lawncomb Rakes

The Lawncomb rake has 24 flat, flexible spring steel teeth.

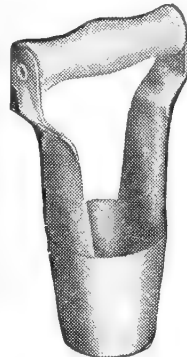
No. LC18. 8-inch teeth, 18 inches wide. Price: \$2.00.

No. LC24. 9½-inch teeth, 24 inches wide. Price: \$2.50.



Bulb Planter

An indispensable tool because it makes a perfect planting hole for practically all sorts of bulbs without disturbing the surrounding soil. Price: 85c; postpaid 95c.



Doo-Klip Long-Handle Grass Shear

Solid rubber wheels weighing only four ounces support the blades and handle, permitting easy use with one hand.

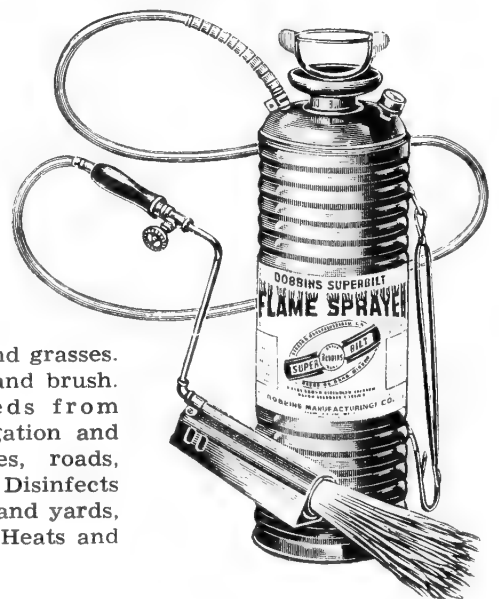
\$3.50



Same pinch-proof, "up and down" handle action used in standard Doo-Klip grass shear.

Flame Sprayer

Extra Strong Electric Welded Tank



Kills weeds and grasses. Burns rubbish and brush. Removes weeds from driveways, irrigation and drainage ditches, roads, and fence rows. Disinfects poultry houses and yards, rabbit hutches. Heats and thaws.

Flame temperature 2000° F. Average fuel consumption one gallon per hour. Heavy galvanized steel tank with electric welded seams, tested for high pressure. Heavy steel welded torch. Brass burner with a needle-valve control.

No. 210 Dobbins Superbilt Flame Sprayer. 4-gal. capacity. Equipped with 7-ft. hose. Weight 16½ lbs. Price: \$21.10.

Farm and Garden Supplies

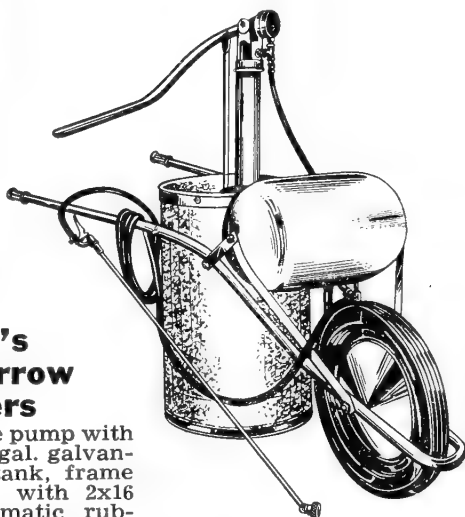
Brown's Open-Hed Sprayer No. 4D

Electrically welded, hot galvanized coated. 4-gal. capacity. Price: \$12.55.



Brown's Wheelbarrow Sprayers

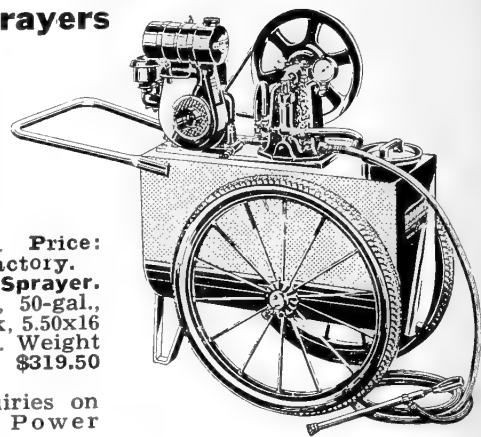
No. 57R. Complete pump with 12½-ft. hose, 18-gal. galvanized tank, air tank, frame and disc wheel with 2x16 inch semi-pneumatic rubber tire. Price: \$57.25.



Dobbins Sprayers

No. 4240R. (As shown.) A portable high pressure light weight spray outfit. 25-gal. tank, 1½ h.p. engine, 26x2½ in. pneumatic tired wheels. Weight 180 lbs. Price: \$181.25 f.o.b. factory.

No. 3260R Power Sprayer. 1¾ h.p. engine, 50-gal., heavy steel tank, 5.50x16 pneumatic tires. Weight 405 lbs. Price: \$319.50 f.o.b. factory. We solicit inquiries on other Dobbins Power Sprayers.



Dobbins Wheelbarrow Sprayers

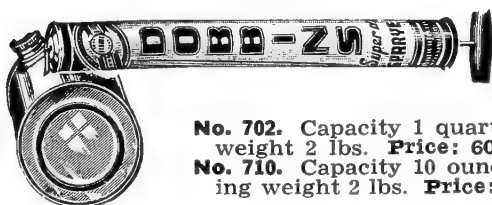
No. 3171R. 12-gallon galvanized tank. Pressure tank easily maintains 150 lbs. pressure. 16-inch semi-pneumatic rubber tired wheel. Price: \$39.15.

No. 3171. Same as above, but with steel wheel. Price: \$33.60.

No. 3191. (Not shown.) 18-gal. galvanized tank. Pressure tank operates at 200 lbs. pressure.



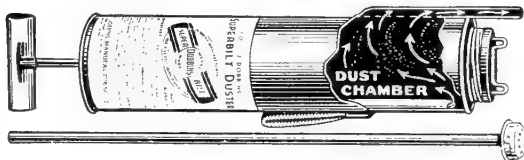
With 16x4 inch pneumatic tire. Price: \$64.00.



Dobbins Sprayers

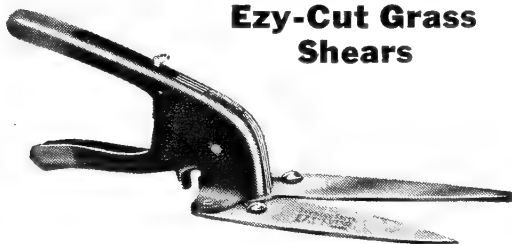
No. 702. Capacity 1 quart. (Tin.) Mailing weight 2 lbs. Price: 60c.

No. 710. Capacity 10 ounces. (Tin.) Mailing weight 2 lbs. Price: 45c.



Dobbins No. 132 Superbilt Duster. Pump 3-in. diameter; 7½-in. long. Two-way dust cap. 24-in. steel extension. Mailing weight 3 lbs. Price: \$1.55.

Ezy-Cut Grass Shears



No. 157 Improved Ezy-Cut Grass Shear. A handsome, highly efficient tool. Positive one-hand thumb catch. Mailing weight 2 lbs. Price: \$1.95.

No. 57 Special Ezy-Cut Grass Shear. A splendid value that will give good, efficient service. Mailing weight 2 lbs. Price: \$1.39.

No. 1575 New "Stand-Up" Grass Shears. With adjustable wheel. (Not shown.) Mailing weight 6 lbs. Price: \$3.75.

Seymour Smith Hedge Shears



No. 326 Multipower. (As shown.) Rubber handle grips. 9½-inch blade. Mailing weight 3 lbs. Price: \$5.50.

No. 154N Lightning Clipper. (Not shown.) Serrated blade and notched 9-inch blade. Mailing weight 4 lbs. Price: \$3.75.

No. 14N Ezy-Cut. (Not shown.) Notched 8-inch blade. Mailing weight 4 lbs. Price: \$2.75.

Dobbins Compressed Air Sprayers

No. 34G Bighead. (As shown.) Galvanized tank, 3½-gal. capacity. Price: \$9.90.

No. 21G Fun-L-fill. Galvanized tank, 3½-gal. capacity. Price: \$8.55.

No. 21S Fun-L-fill. Stainless steel tank, 3½-gallon capacity. Price: \$14.80.



No. 44G Bighead. (As shown.) Galvanized tank, 4-gallon capacity. Price: \$12.15.

No. 44S Bighead. Stainless steel tank, 4-gallon capacity. Price: \$20.00.

No. 71T Dobbins Shut-Off Nozzle for any make compressed air sprayer. Mailing weight 2 lbs. Price: \$1.50.

No. 84T Dobbins Shut-Off Nozzle with 30-in. hose coil spring and clamp. Mailing weight 3 lbs. Price: \$2.00.

No. 74A 24-in. Straight Brass Extension. Mailing weight 2 lbs. Price: 50c.

No. 59N Dobbins Nozzle Cap. All brass complete with strainer and whirl disc. Mailing weight 1 lb. Price: 50c.

Farm and Garden Supplies

Myers Power Sprayers

Inquiries Solicited.

Myers Compressed Air Sprayers



No. 2240 Myers Kwikfill 2½-gal. Galvanized Tank Sprayer with 18-in. brass extension rod. Price: \$10.25.

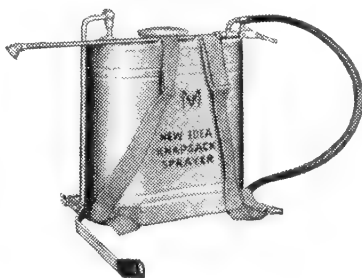
No. 2242 Myers Kwikfill 4-gal. Galvanized Tank Sprayer with 18-in. brass extension rod. Price: \$11.25.

No. 2242B. Same as No. 2242 with brass tank. Price: \$17.00.

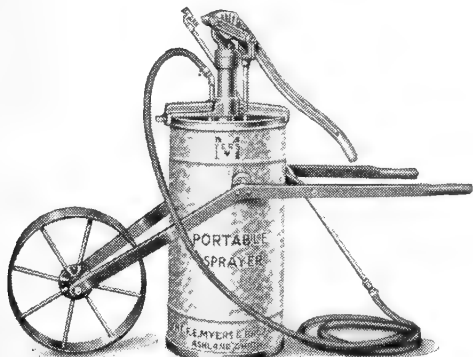
Myers New Idea Knapsack Sprayers

No. 1330A Myers New Idea Galvanized Tank Knapsack Sprayer, fitted with ¾-in. brass pipe extension with 45° Fembro spray nozzle. Price: \$27.50.

No. 1331A. Same as No. 1330A except with brass tank. Price: \$37.50.



Myers Portable Sprayer



Suitable for greenhouse work, spraying trees, white-washing, painting, etc.

No. R336½B Myers Portable Sprayer with dasher and jet agitator, 12½-gal. tank, 15-ft. ½-inch 5-ply discharge hose, 8-ft. steel pipe extension and Vermorel nozzle. Price: \$40.00.

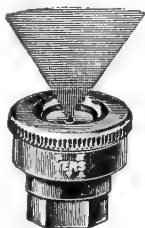
Myers "Silver Prince" Portable Sprayer. Wheelbarrow type engine-powered model (not shown), 12½-gal. tank capacity; 225 pounds pressure, capacity 2 GPM. Rubber-tired wheel. **No. 4502-2ER12½.** Price: \$200.00, f.o.b. Ashland, Ohio.



Myers Nozzles

Fembro 45 degree nozzle. \$1.15; or \$1.25, postpaid.

Fembro straight nozzle. \$1.00; or \$1.10, postpaid.



Bordeaux Nozzle

(Not shown.)

Each \$1.65; or \$1.75, postpaid.

We also solicit your inquiries for Myers Spray Guns and Accessories.

MAGIC WEEDER HOES



The best tools for the home garden. They turn work into pleasant pastime.

Style G, H and K. Orange lac handles, other styles red lac handles.

Style A. 3 tines, 5¼-in. handle. Price: 15c. Mailing wt., 1 lb.

Style B. 3 tines, 14-inch handle. Price: 25c. Mailing wt., 1 lb.

Style BB. 3 tines, 33-in. handle. Price: 35c. Mailing wt., 1 lb.

Style C. 4 tines, 5¼-in. handle. Price: 25c. Mailing wt., 1 lb.

Style D. 4 tines, 5¼-in. handle. Price: 35c. Mailing wt., 1 lb.

Style E. 4 tines, 5¼-in. handle. Price: 35c. Mailing wt., 1 lb.

Style F. 4 tines, 42-inch handle. Price: 90c. Mailing wt., 2 lbs.

Style G. 4 tines, 48 in. handle. Price: \$1.15. Mailing wt., 3 lbs. Larger and stronger than Style F.

Style H. 4 tines, 48-in. handle. Price: \$1.35. Mailing wt., 3 lbs. Square blade cuts roots, etc.

Style K. 4 tines, 48 in. handle. Price: \$1.35. Mailing wt., 3 lbs. "V" blade, excellent for planting.

No. 1 DESHLER RURAL MAIL BOX. Price: \$2.75.

KATCH-ALL WIRE RAT TRAP. 18 in. long, 8 in. wide, 7¼ in. high. Price: \$1.65.

DRY WOOD MEASURE. 1 quart, price, 55c; 2 quart, price, 65c; 4 quart, price, 85c; 8 quart, price, \$1.05; and 16 quart, price, \$1.55.

LOG CHAINS with grab hook and slip hook.

5/16"x14'. Weight 16 lbs.	Price	\$ 5.35
3/8"x14'. Weight 23 lbs.	Price	7.60
3/8"x16'. Weight 26 lbs.	Price	8.35
1/2"x14'. Weight 41 lbs.	Price	13.25

COW TIES. No. 2/0 open ring, 3 ft., price, 75c; 3½ ft., price, 80c; 4½ ft., price, 90c. No. 2/0 Tensio tie out chains, 20 ft., price, \$1.25; 30 ft., price, \$1.65.

TIDY TIE OUT POSTS. 20-inch, price, \$1.80; 24-inch, price, \$1.95.

DOVER MEASURES AND FUNNELS. Combination galvanized measure No. 011, 1 qt., price, \$1.15; No. 012, 2 qt., price, \$1.55; No. 014, 4 qt., price, \$1.70. Open type galvanized measure No. 51, 1 qt., price, \$1.05; No. 52, 2 qt., price, \$1.40; No. 54, 4 qt., price, \$1.60.

GALVANIZED FUNNELS. No. 71, 1 qt., price, 65c; No. 72, 2 qt., price, 85c; No. 74, 4 qt., price, \$1.10.

TIN FUNNELS. No. 311, 1 qt., price, 40c; No. 312, 2 qt., price, 50c; No. 314, 4 qt., price, 65c.

GRAHAM BRONZE WEATHERVANES, No. 323, running horse, price, \$10.00; No. 340, crowing rooster, price, \$10.00; No. 43, horse and buggy, price, \$12.50; No. 505, setter dog, price, \$17.50. Many other styles.

PICKS AND MATTOCKS. 8-lb. contractor's pick, price, \$3.10; 5-lb. long cutter mattock, price, \$2.45; 5-lb. pick mattock, price, \$2.50. Also square head wedges and crowbars.

SHOVELS. Ames Two-Star, size 2, price, \$2.60. Ames Mass, size 2, price, \$2.40. Ames Ram, size 2, price, \$2.05. Specify long or D handle; round or square point.

CEMENT BIRD BATH. Price, \$5.00. Large size, \$8.50.

GALVANIZED WATERING POTS. 6, 8, 10, 12 and 16 quart. Market price.

ASH CANS, GARBAGE CANS AND COVERS, GALVANIZED PAIS. Market price.

We carry complete stock, light duty gates, V belts for refrigerators, water pumps, washing machines and other household appliances.

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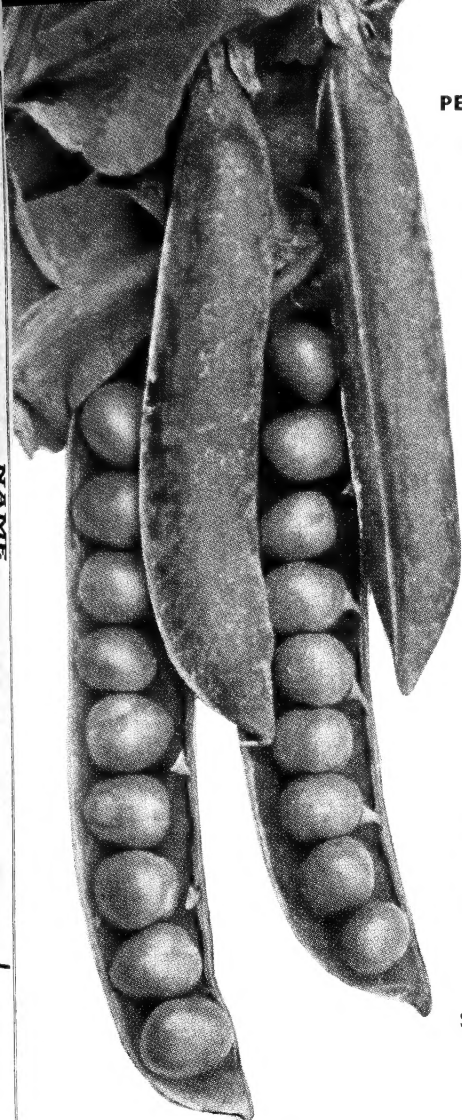
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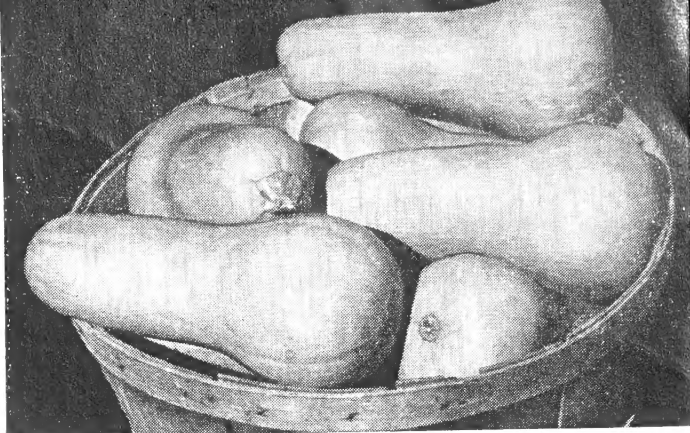
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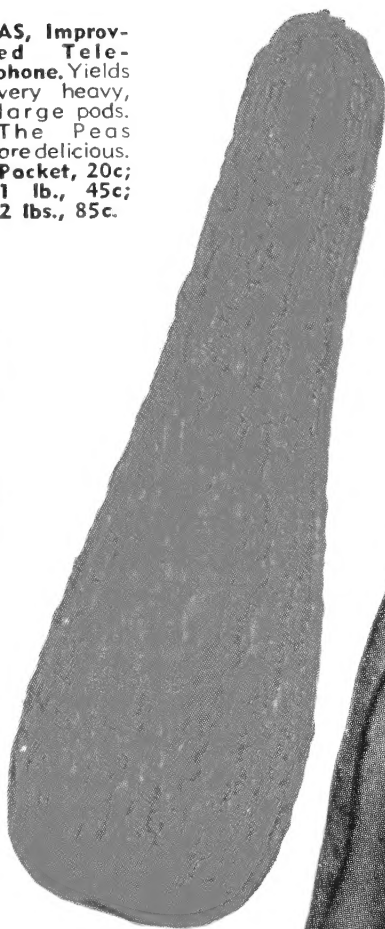
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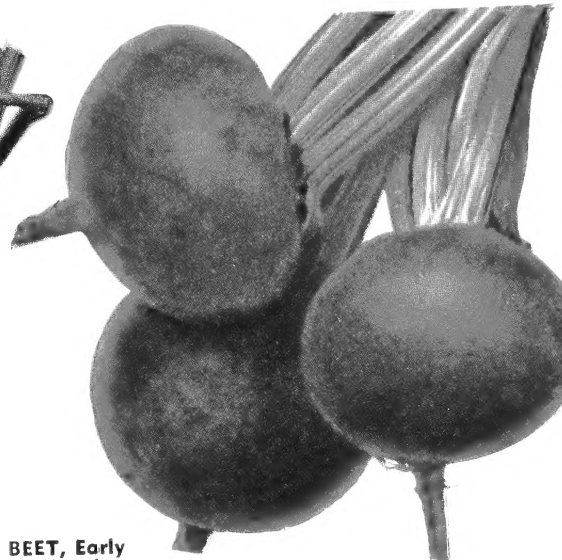
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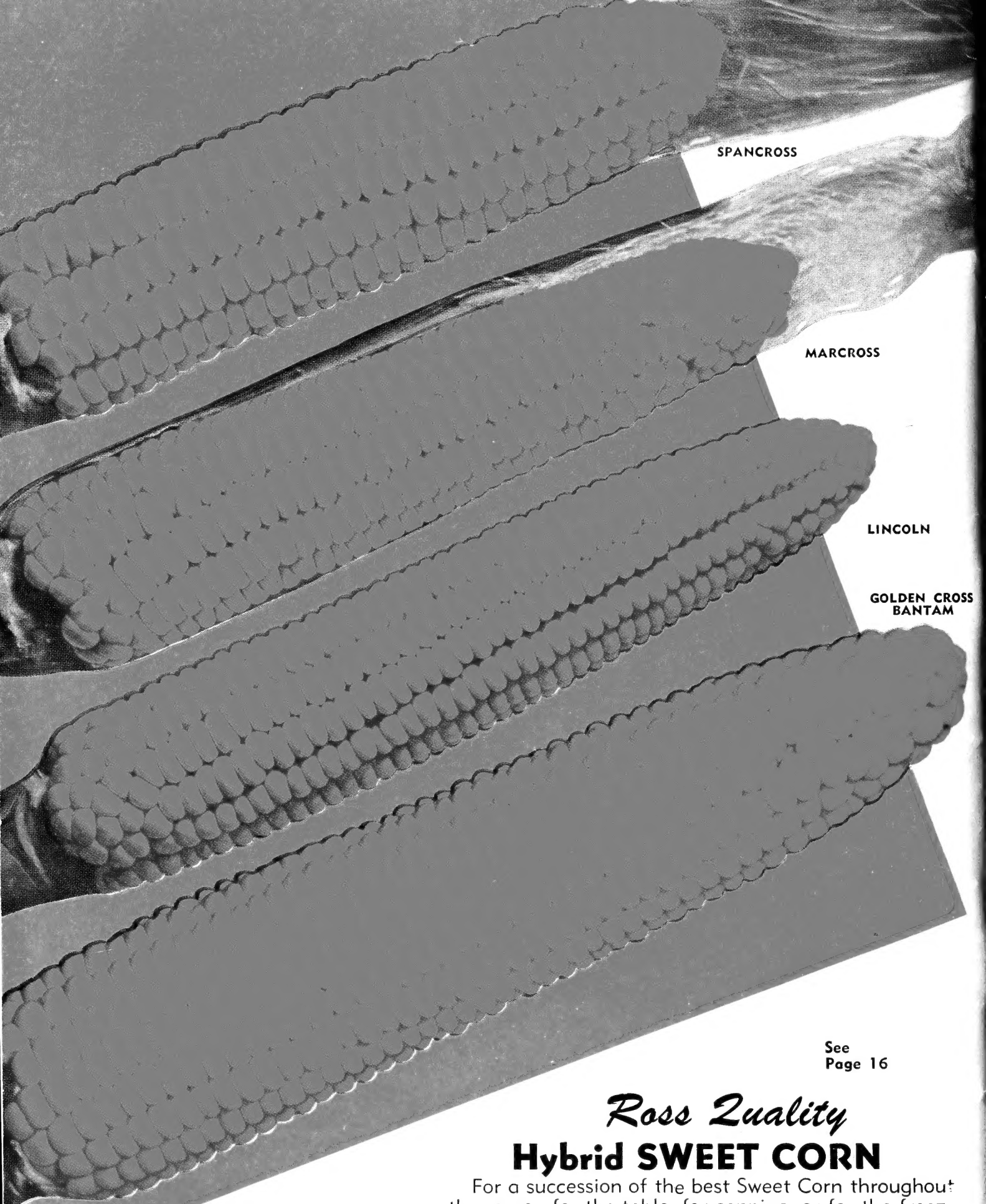
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